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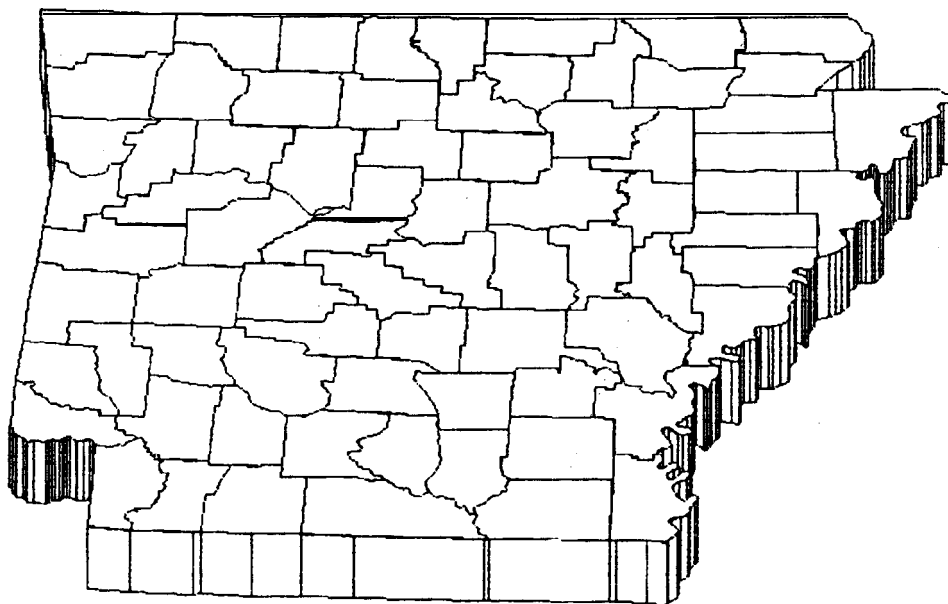
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Forest Statistics for Arkansas Counties - 1988

F. Dee Hines and John S. Vissage



FOREWORD

The Southern Forest Survey, an activity of the Southern Forest Experiment Station Forest Inventory and Analysis work unit, covers the States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and East Texas, and the island of Puerto Rico.

This survey is part of the nationwide Forest Survey originally authorized by the **McSweeney-McNary** Act of 1928. More recent legislation pertinent to the survey mission includes the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Forest and Rangeland Renewable Resources Research Act of 1978. The survey mission is to develop, analyze, and maintain renewable forest resource information. This information is essential for formulation of forest policies and programs.

ACKNOWLEDGMENTS

The Southern Station gratefully acknowledges the cooperation and assistance provided by the Arkansas Forestry Commission and forest industries in collecting field data. Appreciation is also expressed for the cooperation of other public agencies and other private landowners in providing access to the sample locations.

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*Core tables are presented in response to the Southern Industrial Forestry Research Council's recommendations. These tables are identical among Forest Inventory and Analysis units in the eastern United States.



Figure I.-The *forest survey regions of Arkansas.*

Forest Statistics for Arkansas Counties — 1988

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INTRODUCTION

The tables and figures in this report were derived from data obtained during a recent inventory of the five survey regions and 75 counties in the State of Arkansas (fig. I). Data on forest-nonforest classification using aerial photographs was accomplished for points representing approximately 230 acres. These photo classifications were adjusted based on ground observations at sample locations representing approximately 3,840 acres. Finally, field measurements were made at forest locations on the intersections of grid lines spaced 3 miles apart. At these forest locations, per-acre estimates were obtained from trees measured on ten 37.5 basal area factor prism points.

The sampling methods were designed to achieve suitable sampling errors for estimates of area and volume at the State level. Sampling error increases as the area or volume considered decreases. The sampling errors presented in table I, equal to one standard deviation for the sample data, may be used to construct confidence intervals for population parameters. For example, at the 95 percent confidence level, the confidence interval for growing-stock volume (in million cubic feet) in the State of Arkansas (with a sampling error of 1.9 percent) is

$$18,991.1 \pm 1.96(0.019 \times 18,991.1) = 18,991.1 \pm 707.2$$

where 1.96 is the number of standard deviations. This confidence interval indicates that the actual growing-stock volume lies in the range 18,283.9 to 19,698.3 million cubic feet, unless a 1-in-20 chance of error has occurred.

Sampling errors for any combination of county data in the State may be estimated by the following formula:

$$SE_g = \frac{SE_t \sqrt{X_t}}{\sqrt{X_g}}$$

where:

SE = standard error of estimate
(expressed as a percent)

X = variable of interest
(area or volume)

g = group of counties to be combined
t = total for the State.

For example, the sampling error estimate of growing-stock volume for Polk, Howard, Sevier, and Little River counties is 8.2 percent. Thus, the 95 percent confidence interval for growing-stock volume is $1,020.2 \pm 164.0$ million cubic feet.

Ownership information is obtained by the same systematic sample outlined above. County courthouse records are used to obtain ownership information for each forested plot. An expansion factor representing timberland area in that county is then applied to the ownership group the plot represents. Next, the ownership groups are totaled for each county. Thus, acreages reported at the county level are estimates and may not exactly match known totals for each ownership category within that county.

In order to achieve greater compatibility among Forest Inventory and Analysis Projects, a new tree grading classification has been initiated for the 1988 Arkansas survey. Tree grade 5 is used for trees currently or prospectively capable of producing at least one 12-foot log or two 8-foot logs in the saw-log portion but not able to produce a 12-foot log in the butt 16 feet. These trees, formerly classed as rough or rotten, are now included in growing stock. Table II shows the impact of this change on volume and growth.

Table I -Sampling errors¹ for timberland growing stock, and sawtimber, Arkansas, 1988

County	Growing stock				Sawtimber volume
	Timberland	Volume	Growth	Removals	
	-----Percent-----				
Arkansas	1.3	23.3	145	25.7	22.3
Ashley	1.2	7.6	7.4	10.8	8.7
Baxter	4.5	11.3	13.7	2.6	13.6
Benton	2.1	17.1	12.7	(2)	21.4
Boone	3.7	17.9	36.1	(2)	24.9
Bradley	1.2	7.1	7.3	11.3	8.6
Calhoun	1.7	9.4	8.9	15.7	10.9
Carroll	3.1	12.0	17.1	19.6	17.7
Chicot	1.8	23.3	39.8	22.9	25.6
Clark	1.8	8.3	9.5	10.8	9.7
Clay	1.5	29.5	24.5	...	32.5
Clebume	3.0	10.8	15.4	20.9	15.1
Cleveland	0.8	11.1	10.2	11.3	9.4
Columbia	1.8	9.3	8.3	13.1	12.0
Conway	3.0	17.8	19.0	30.9	22.9
Craighead	0.7	21.9	28.5	...	22.5
Crawford	25	14.0	12.6	30.1	19.0
Crittenden ³	0.8	23.2	20.9	33.3	30.6
Cross ⁴	0.7	26.2	48.0	40.0	30.5
Dallas	2.0	8.5	6.5	12.6	10.6
Desha	2.1	15.9	17.6	30.1	17.9
Drew	2.4	6.9	7.6	8.6	8.3
Faulkner	3.1	14.5	17.1	28.3	20.3
Franklin	2.8	14.9	35.6	21.5	20.0
Fulton	3.7	12.1	19.5	46.8	16.1
Garland	1.9	9.4	12.5	18.0	11.6
Grant	0.9	11.4	9.1	13.4	13.7
Greene	1.7	18.7	15.5	29.5	21.1
Hempstead	2.0	11.1	13.9	20.9	14.2
Hot Spring	2.2	12.0	11.5	19.1	15.7
Howard	2.1	14.4	11.4	16.9	17.1
Independence	1.9	13.3	15.4	22.4	18.9
Izard	4.5	9.1	10.9	(2)	13.1
Jefferson	1.7	13.7	13.3	19.7	17.0
Johnson	2.1	11.0	15.5	36.0	14.3
Lafayette	1.8	12.1	8.8	16.8	14.7
Lawrence	1.9	49.9	31.5	41.0	(2)
Lee	1.6	15.8	27.1	22.5	19.6
Lincoln	2.0	19.7	23.0	20.4	20.3
Little River	2.8	18.8	17.6	21.1	24.0
Logan	2.2	13.4	16.4	37.1	16.2
Lonoke	1.7	25.1	34.6	...	21.1
Madison	1.9	11.0	13.3	20.5	14.8
Marion	4.9	13.8	18.2	...	17.7
Miller	1.9	13.8	9.0	21.0	17.4
Monroe	1.7	15.8	24.3	16.5	18.5
Montgomery	1.4	8.0	10.2	18.0	10.9
Nevada	1.4	9.1	8.0	14.2	11.2
Newton	1.6	7.9	7.8	30.0	11.4
Ouachita	1.7	8.2	7.7	13.2	10.0
Perry	2.0	10.8	13.8	16.1	12.7
Phillips	1.4	23.3	45.6	34.1	27.4
Pike	1.9	12.8	12.6	15.7	15.1
Poinsett	1.3	21.0	23.4	...	22.8
Polk	2.1	8.4	9.6	19.2	11.6
Pope	1.8	8.8	17.3	25.2	12.4
Prairie	0.9	38.5	39.3	...	30.2
Pulaski	1.7	10.8	18.0	21.4	13.1
Randolph	2.1	25.8	24.5	23.1	34.6
St. Francis	0.9	27.8	33.4	42.9	35.9
Saline	2.1	9.0	11.3	13.1	10.6
Scott	1.8	5.8	8.6	16.3	7.6

Table I - Sampling errors¹ for timber land, growing stock, and sawtimber, Arkansas, 1988 - Continued

County	Growing stock				Sawtimber volume
	Timberland	Volume	Growth	Removals	
----- <i>Percent</i> -----					
Searcy	2.2	9.4	11.4	39.7	13.9
Sebastian	2.6	13.8	(2)	42.8	19.7
Sevier	2.3	12.4	10.7	19.2	15.8
Sharp	2.7	10.5	17.0	30.5	16.8
Stone	2.1	12.4	13.9	19.6	18.8
Union	1.0	6.4	6.2	10.1	7.7
Van Buren	1.8	11.4	11.6	40.2	13.6
Washington	1.8	11.5	14.1	30.5	16.6
White	1.8	28.3	11.9	27.7	32.2
Woodruff	1.3	19.2	21.6	23.6	23.1
Yell	1.5	10.6	9.8	21.2	10.9
All counties	0.2	1.9	1.7	2.7	2.2

¹ By random-sampling formula.

² Sampling error greater than 50.

³ Mississippi included in Crittenden.

⁴ Jackson included in Cross.

Table II--Changes in volume and growth estimates due to inclusion of tree grade 5 in growing-stock inventory, Arkansas, 1988

	Tree grade 5		
	Excluded from growing stock	Included in growing stock	Percent change
----- <i>Million cubic feet</i> -----			
Softwood:			
Growing-stock volume	7841.0	7923.0	1.0
Rough and rotten volume	250.6	168.6	-32.7
Growing-stock growth	379.4	387.8	2.2
Hardwood:			
Growing-stock volume	10427.5	11068.1	6.1
Rough and rotten volume	2233.1	1592.6	-28.7
Growing-stock growth	353.9	425.6	20.3
----- <i>Million board feet</i> -----			
Softwood:			
Sawtimber volume	33363.0	33664.6	.9
Sawtimber growth	1795.9	1825.6	1.7
Hardwood:			
Sawtimber volume	30533.1	33085.3	8.4
Sawtimber growth	1294.9	1582.9	22.2

Tables 1-25 were developed to provide comparability among Forest Inventory and Analysis Projects. Tables 26-35 are supplementary tables and may change from unit to unit or State to State to address specific resource issues.

DEFINITION OF TERMS

Average net annual growth. -Average net annual volume increase for the inter-survey period.

Average annual mortality. -Average annual sound-wood volume of growing-stock trees dying from natural causes.

Average annual removal. -Average net annual volume of growing-stock trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use.

Commercial species. -Tree species which normally develop into trees suitable for industrial wood products.

Forest type. -A classification of forest land based upon the species forming a plurality of live-tree stocking.

Growing-stock trees. -Live trees of commercial species. Rough and rotten trees are excluded.

Growing-stock volume. -The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches in diameter at breast height, from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs.

Live trees. -Commercial and noncommercial tree species of sapling size or larger.

Natural stands. -Stands with no evidence of artificial regeneration. This includes those established by seed tree regeneration methods.

Noncommercial species. -Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

Planted stands. -Stands with some evidence of planting or direct seeding.

Poletimber trees. -Growing-stock trees at least 5.0 inches in diameter at breast height, but smaller than sawtimber size.

Reserved timberland. -Productive public forest land withdrawn from timber utilization through statute or administrative regulations.

Rotten trees. -Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of rot.

Rough trees. -Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of roughness or poor form. Also included are all live trees of noncommercial species.

Saplings. -Growing-stock trees at least 1.0 inches but less than 5.0 inches in diameter at breast height.

Sawtimber trees. - Live trees that contain at least one 12-foot log, or two 8-foot logs in the saw-log portion, and meet regional specifications for freedom from defect. Softwoods must be at least 9.0 inches in diameter at breast height and hardwoods at least 11.0 inches in diameter at breast height.

Sawtimber volume. -Sound-wood volume of the saw-log portion of growing-stock sawtimber trees in board feet, International 1/4-inch rule and in cubic feet.

Seedlings. - Growing-stock trees less than 1.0 inches in diameter at breast height and greater than one foot tall for hardwoods, greater than six inches tall for softwoods, and greater than one-half inch in diameter at ground level for longleaf pine.

Select red oaks. -A classification of several red oak species composed of: cherrybark, Shumard, and northern red oaks.

Select white oaks. -A classification of several white oak species composed of: white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks.

Site class. -A classification of forest land in terms of inherent capacity to grow crops of industrial wood.

Stand-size class. -A classification of forest land based on the diameter class of growing-stock trees on the sampled area; that is, sawtimber, poletimber, or sapling and seedling.

Timberland. -Forest land that is producing, or is capable of producing, crops of industrial wood and not withdrawn from timber utilization.

Timberland is synonymous with “commercial forest land” in prior reports.

Tree grade. -A classification of the volume of the saw-log portion of sawtimber trees, based on: 1) the log grade of the butt log, or 2) ability to

produce at least one 12-foot or two 8-foot logs in the upper-section of the saw-log portion.

Wood land. - **Forest** land incapable of yielding crops of industrial wood because of adverse site conditions.

CORE TABLES I-25

Table IArea by county and land class, Arkansas, 1988

County	All land ¹	Forest land			Nonforest land	
		Total	Timberland ²	Woodland ³		
-----Thousand acres-----						
Arkansas	643.8	190.7	190.7			453.0
Ashley	597.5	377.4	377.4		.	220.1
Baxter	349.3	255.5	209.2	31.7	14.6	93.8
Benton	539.8	218.8	210.7	5.7	2.4	321.1
Boone	373.7	144.0	126.7	17.3		229.7
Bradley	418.6	353.6	353.6			65.1
Calhoun	402.2	330.7	330.7	...	.	71.5
Carroll	405.7	205.6	183.3	22.2	...	200.2
Chicot	415.6	83.7	83.7	...		331.9
Clark	554.6	405.4	405.4			149.3
Clay	410.2	78.5	78.5		.	331.8
Cleburne	352.3	226.5	226.5	.	.	125.8
Cleveland	383.1	330.7	330.7		.	52.4
Columbia	490.9	381.5	381.5			109.5
Conway	357.4	163.9	163.9			193.5
Craighead	456.5	49.0	49.0			407.5
Crawford	379.9	218.2	211.6	6.6		161.7
Crittenden ⁴	957.3	49.0	49.0			908.3
Cross ⁵	803.3	112.4	112.4			691.0
Dallas	427.3	362.5	362.5			64.9
Desha	477.7	150.8	150.8		...	326.9
Drew	532.1	386.2	386.2			145.9
Faulkner	413.1	168.4	168.4			244.7
Franklin	389.6	231.2	231.2			158.3
Fulton	394.3	206.7	189.9	16.8	.	187.6
Garland	420.4	333.7	328.9		4.8	86.7
Grant	405.1	335.9	335.9			69.2
Greene	370.3	55.7	55.7			314.5
Hempstead	463.7	277.4	277.4			186.3
Hot Spring	393.6	276.9	276.9	...		116.7
Howard	367.1	250.7	250.7			116.4
Independence	488.6	193.0	187.3	5.7		295.6
Izard	372.0	244.7	207.1	37.6		127.3
Jackson ⁶		.				
Jefferson	564.4	218.8	218.8		...	345.6
Johnson	432.4	290.9	285.2		5.7	141.4
Lafayette	331.3	224.4	224.4			106.8
Lawrence	377.0	84.6	84.6			292.4

Table I-Area by county and land class, Arkansas, 1988 - Continued

County	All land ¹	Forest land			Reserved timberland	Nonforest land
		Total	Timberland ²	Woodland ³		
----- <i>Thousand acres</i> -----						
Lee	385.1	98.4	98.4	...	...	286.7
Lincoln	360.0	153.2	153.2	...	...	206.8
Little River	330.1	166.9	166.9	...	...	163.3
Logan	448.9	252.9	242.1	6.1	4.7	196.0
Lonoke	501.0	75.8	75.8	...	...	425.2
Madison	536.0	382.3	376.2	6.2	...	153.6
Marion	375.8	263.3	196.5	41.7	25.2	112.4
Miller	396.2	170.1	170.1	...	...	226.1
Mississippi ⁴	...	...	...	...	...	...
Monroe	389.6	140.4	140.4	...	...	249.2
Montgomery	495.7	413.4	413.4	...	...	82.2
Nevada	397.1	306.0	306.0	...	...	91.1
Newton	526.7	450.2	377.3	5.6	67.3	765
Ouachita	471.6	392.9	392.9	...	...	78.7
Perry	352.3	263.8	260.8	...	3.0	88.4
Phillips	438.6	94.4	94.4	...	...	344.2
Pike	383.0	303.9	303.9	...	...	79.1
Poinsett	487.9	54.9	54.9	...	...	433.0
Polk	550.6	408.9	381.6	5.5	21.8	141.7
Pope	524.8	365.1	353.7	...	11.4	159.7
Prairie	419.6	77.6	77.6	...	...	341.9
Pulaski	490.8	201.8	201.8	...	...	289.0
Randolph	419.8	176.6	176.6	...	...	243.2
st. Francis	408.6	67.1	67.1	...	...	341.5
Saline	464.1	356.8	349.7	...	7.1	107.3
Scott	573.7	448.2	442.7	...	55	125.6
Searcy	4275	314.9	2.855	5.8	23.6	112.6
Sebastian	342.3	156.3	149.6	...	6.7	186.1
Sevier	358.5	227.9	227.9	...	...	130.7
Sharp	387.9	230.6	219.3	11.2	...	157.4
Stone	387.8	314.7	309.0	5.7	...	73.1
Union	674.0	584.9	584.9	...	...	89.1
Van Buren	454.0	345.9	345.9	...	...	108.1
Washington	6085	264.0	259.0	5.0	...	3445
White	665.7	229.5	2295	...	...	436.2
Woodruff	378.8	63.9	63.9	...	...	314.8
Yell	595.4	402.0	4015	...	05	193.4
All counties	33320.0	17687.3	17246.6	236.4	204.3	15632.7

¹From U.S. Bureau of the Census.

²**Forest** land (formerly termed commercial forest land) that is producing or capable of producing at least 20 cubic feet of industrial wood per acre per year. Includes areas which may be inaccessible or inoperable by current standards. Excludes reserved timberlands.

³**Forest** land incapable of producing 20 cubic feet of industrial wood per acre per year under natural conditions because of adverse site conditions.

⁴**Mississippi** included in Crittenden.

'Jackson included in Cross.

Table 2-Area of timberland by county and ownership class, Arkansas, 1988

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry ¹	Farmer	Corporate ²	Individual ³
<i>----- Thousand acres -----</i>									
Arkansas	190.7		46.2	28.9	...	5.8	52.0	17.3	40.5
Ashley	377.4		10.9	.	...	273.5	21.9	5.5	65.6
Baxter	209.2	50.7	19.0	6.3	...	...	57.1		76.1
Benton	210.7	11.4	11.4	11.4	...		62.6	62.6	51.2
Boone	126.7				...		57.6	11.5	57.6
Bradley	353.6		11.4		...	182.5	5.7	34.2	119.8
Calhoun	330.7				...	242.5	16.5	5.5	66.1
Carroll	183.3				...	..	61.1	22.2	100.0
Chicot	83.7				...	11.2	39.1	22.3	11.2
Clark	405.4		11.3		...	146.4	73.2	22.5	152.0
Clay	78.5			14.3	...	7.1	35.7		21.4
Cleburne	226.5				...	35.2	45.3	10.1	135.9
Cleveland	330.7				...	191.5	5.8	11.6	121.8
Columbia	381.5				...	90.8	12.1	24.2	254.3
Conway	163.9			7.1	...	14.2	42.7	7.1	92.6
Craighead	49.0			14.7	...		4.9	9.8	19.6
Craw-ford	211.6	79.4			...		39.7	6.6	86.0
Crittenden ³	49.0		4.9	9.8	4.9		24.5	4.9	
Cross ⁴	112.4				...		46.8	9.4	56.2
Dallas	362.5				...	261.2	5.3	10.7	x5.3
Decsha	150.8		11.4		...	64.6	14.4	43.1	13.4
Drew	386.2			16.1	...	219.9	21.5	21.5	107.3
Faulkner	168.4		9.4	4.7	...		18.7	51.5	84.2
Franklin	231.2	85.9	6.6		...		66.1	6.6	66.1
Fulton	189.9				...	5.6	106.1	11.2	67.0
Garland	328.9	97.1	5.4		5.4	118.6		16.2	86.3
Grant	335.9				...	252.0	4.9		79.0
Greene	55.7				...		11.1		44.6
Hempstead	277.4				...	105.4	11.1	16.6	144.2
Hot Spring	276.9				...	163.6		6.3	107.0
IHoward	250.7		5.2		...	161.9	62.7		20.9
Independence	187.3				...	28.4	68.1	31.1	56.8
Izard	207.1				...		31.4	12.6	163.2
Jefferson	218.8		16.0	10.7	...	48.0	16.0	26.7	101.4
Johnson	285.2	173.2	5.1		...		20.4		86.6
Lafayette	224.4				...	82.7	29.5		112.2
Lawrence	84.6			6.0	...		30.2		48.4
Lee	98.4	16.4				8.2	24.6		49.2
Lincoln	153.2			6.7	.	33.3	20.0	26.6	66.6
Little River	166.9					73.0	52.1	5.2	36.5
Logan	242.1	90.8	24.2		.	12.1	24.2	6.1	84.7
Lonoke	75.8			5.1	...	...	50.6	10.1	10.1
Madison	376.2	37.0		6.2			154.2	6.2	172.7
Marion	196.5				...	...	95.3	6.0	95.3
Miller	170.1			17.0		28.4	39.7	5.7	79.4
Monroe	140.4		20.1	5.0		50.1	40.1	5.0	20.1
Montgomery	413.4	307.1	5.9	...		53.2	11.8	5.9	29.5
Nevada	306.0			17.3		127.0	34.6	5.8	121.3
Newton	377.3	152.0		5.6			61.9	5.6	152.0
Ouachita	392.9		6.0	6.0	12.1	114.9	30.2	36.3	187.4
Perry	260.8	70.6		5.4		135.8	21.7	5.4	21.7
Phillips	94.4	7.3	7.3			7.3	14.5		58.1
Pike	303.9	...				233.8	52.6		17.5
Poinsett	54.9			13.7		...	18.3		22.9
Polk	381.6	158.1		5.5	16.4	81.8	27.3	5.5	87.2
Pope	353.7	202.1		5.6	...	11.2	44.9	5.6	84.2
Prairie	77.6		5.2	20.7		5.2	25.9	10.4	10.4
Pulaski	201.8		25.9			41.4	25.9	51.7	56.9
Randolph	176.6			7.1		7.1	49.4	7.1	106.0
St. Francis	67.1			12.2			36.6	6.1	12.2
Saline	349.7	27.8	...		5.6	172.1	16.7	27.8	99.9
Scott	442.7	356.4	.	.		5.7	5.7	11.5	63.2
Searcy	285.5	40.8		5.8		..	116.5	5.8	116.5
Sebastian	149.6		45.5	.	6.5		32.5	6.5	58.5

Table 2—Area of timberland by county and ownership class, Arkansas, 1988 - Continued

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry ¹	Farmer	Corporate ²	Individual ³
<i>----- Thousand acres -----</i>									
Sevier	221.9		9.7			111.5	33.9	14.5	58.2
Sharp	219.3		5.6	16.9		...	45.0	16.9	135.0
Stone	309.0	68.7				22.9	62.9	11.4	143.1
Union	584.9		37.0		5.4	198.5	53.7	59.0	230.7
Van Buren	345.9	33.5		5.6		44.6	139.5	5.6	117.2
Washington	259.0	29.9					69.7	14.9	144.5
White	229.5			32.8		6.6	72.1	6.6	111.4
Woodruff	63.9						49.2		14.8
Yell	401.5	200.8	11.2	11.2		78.1	50.2		50.2
All counties	17246.6	2290.8	381.3	341.3	56.2	4376.3	2926.0	941.0	5927.7

¹Includes land leased to forest industry.

²Indian land will be classed as corporate or individual as defined by the Bureau of Indian Affairs.

³Mississippi included in Crittenden.

⁴Jackson Included in Cross.

Table 3—Area of timberland by county and forest type group, Arkansas, 1988

County	Total	Loblolly-shortleaf pine		Forest type group			Elm-ash- cottonwood	Nontyped ¹
		Planted	Natural	Oak- pine	Oak- hickory	Oak-gum- cypress		
----- <i>Thousand acres</i> -----								
Arkansas	190.7				40.5	138.7	11.6	
Ashlev	377.4		213.3	65.6	43.8	54.7		
Baxter	209.2	6.3	6.3	31.7	164.8			
Benton	210.7		5.7	5.7	193.6		5.7	
Boone	126.7			11.5	115.2			
Bradley	353.6	11.4	102.6	96.9	68.4	74.1		
Calhoun	330.7	38.6	110.2	55.1	38.6	88.2		
Carroll	183.3			27.8	155.6			
Chicot	83.7					55.8	27.9	
Clark	405.4	56.3	95.7	90.1	112.6	50.7		
Clay	78.5				21.4	57.1		
Cleburne	226.5	10.1	35.2	55.4	120.8	5.0		
Cleveland	330.7	174	104.4	75.4	75.4	58.0		
Columbia	381.5	24.2	127.2	84.8	84.8	60.6		
Conway	163.9		21.4	42.7	78.4	21.4		
Craighead	49.0				14.7	24.5	9.8	
Crawford ³	211.6	6.6	6.6	59.5	132.3	6.6		
Crittenden ³	49.0					29.4	19.6	
Cross ⁴	112.4				56.2	56.2		
Dallas	362.5	42.6	117.3	85.3	85.3	26.7		5.3
Desha	150.8					129.3	21.5	
Drew	386.2	42.9	91.2	75.1	112.6	64.4		
Faulkner	168.4	9.4		18.7	116.9	23.4		
Franklin	231.2		33.0	33.0	158.6	6.6		
Fulton	189.9	5.6	5.6	11.2	167.6			
Garland	328.9	70.1	64.7	43.1	151.0	...		
Grant	335.9	69.2	54.3	64.2	84.0	64.2		
Greene	55.7			5.6	44.6	5.6		
Hempstead	277.4	66.6	27.7	77.7	66.6	38.8	...	
Hot Spring	376.9	50.3	31.5	81.8	75.5	37.8		
Howard	250.7	78.3	26.1	67.9	52.2	26.1		
Independence	187.3		22.7	28.4	130.6	5.7		
Izard	207.1		31.4	50.2	119.2	6.3		
Jefferson	218.8	10.7	37.4	21.3	53.4	90.7	5.3	
Johnson	285.2	15.3	40.7	45.8	183.3			
Lafayette	224.4	17.7	76.8	35.4	47.2	47.2		
Lawrence	84.6				54.4	30.2		

Table 3-Area of timber land by county and forest type group, Arkansas, 1988 - Continued

County	Total	Loblolly-shortleaf pine		Forest type group				Nontyped ¹
		Planted	Natural	Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood	
----- Thousand acres -----								
Lee	98.4		...	...	16.4	73.8	8.2	
Lincoln	153.2	13.3	20.0	13.3	59.9	40.0	6.7	
Little River	166.9	36.5	36.5	26.1	41.7	20.9	5.2	
Logan	242.1		60.5	90.8	84.7	6.1		
Lonoke	75.8	5.1			15.2	50.6	5.1	
Madison	376.2		6.2	30.8	339.2	..		
Marion	196.5		11.9	6.0	172.6	6.0		
Miller	170.1	11.3	39.7	22.7	62.4	34.0		
Monroe	140.4			5.0	20.1	110.3	5.0	
Montgomery	413.4	11.8	135.8	106.3	159.5			
Nevada	306.0	28.9	86.6	63.5	75.1	52.0		
Newton	377.3		16.9	33.8	326.6			
Ouachita	392.9	36.3	133.0	66.5	60.4	96.7		
Perry	260.8	27.2	92.4	76.1	54.3	10.9		
Phillips	94.4				21.8	72.6		
Pike	303.9	105.2	81.8	87.7	29.2			
Poinsett	54.9				13.7	32.0	9.1	
Polk	381.6	32.7	43.6	141.7	163.6			
Pope	353.7	5.6	61.8	67.4	207.7	11.2		
Prairie	77.6				15.5	62.1		
Pulaski	201.8	5.2	25.9	51.7	88.0	25.9	5.2	
Randolph	176.6		7.1	7.1	134.2	28.3		
St. Francis	67.1				24.4	42.7		
Saline	349.7	44.4	66.6	94.4	105.5	38.9		
Scott	442.7	23.0	189.7	92.0	138.0			
Searcy	285.5		5.8	17.5	256.4	5.8		
Sebastian	149.6		6.5	19.5	91.1	19.5	13.0	
Sevier	227.9	29.1	33.9	33.9	87.3	43.6		
Sharp	219.3		11.2	28.1	174.3	5.6		
Stone	309.0	5.7	17.2	62.9	223.2			
Union	584.9	64.4	144.9	144.9	123.4	107.3		
Van Buren	345.9	22.3	44.6	61.4	217.6			
Washington	259.0		5.0	14.9	239.1			
White	229.5		19.7	19.7	124.6	65.6		
Woodruff	63.9					63.9		
Yell	401.5	27.9	106.0	117.1	78.1	72.5		
All counties	17246.6	1185.5	2999.9	3049.9	7264.6	2582.5	158.9	5.3

¹Timberland with no current stocking.²Mississippi included in Crittenden.³Jackson included in Cross.

Table 4-Area of timber land by county and stand-size class, Arkansas, 1988

County	All classes	Stand-size class			Nonstocked ¹ areas
		Sawtimber	Poletimber	Sapling- seedling	
----- <i>Thousand acres</i> -----					
Arkansas	190.7	167.6	11.6	5.8	5.8
Ashley	377.4	235.2	71.1	71.1	
Baxter	209.2	76.1	95.1	38.0	
Benton	210.7	79.7	79.7	51.2	
Boone	126.7	57.6	34.6	34.6	
Bradley	353.6	256.6	57.0	34.2	5.7
Calhoun	330.7	176.4	66.1	88.2	
Carroll	183.3	77.8	72.2	33.3	
Chicot	83.7	44.7	16.7	16.7	5.6
Clark	405.4	185.8	112.6	101.3	5.6
Clay	78.5	42.8	21.4	14.3	

Table 4—Area of timber land by county and stand-size class, Arkansas, 1988 - Continued

County	All classes		Stand-size class		Nonstocked ¹ areas
		Sawtimber	Poletimber	Sapling- seedling	
----- Thousand acres -----					
Cleburne	226.5	60.4	105.7	60.4	
Cleveland	330.7	237.9	52.2	40.6	
Columbia	381.5	218.0	84.8	78.7	
Conway	163.9	42.7	71.2	49.9	
Craighead	40.0	34.3	4.9	9.8	
Crawford	211.6	92.6	112.4	6.6	
Crittenden ²	49.0	19.6	19.6	4.9	4.9
Cross ³	112.4	37.5	65.5	9.4	
Dallas	302.5	186.6	69.3	95.9	10.7
Desha	150.8	122.1	28.7		
Drew	3X6.2	200.2	69.7	101.9	5.4
Faulkner	168.4	18.7	84.2	65.5	
Franklin	231.2	66.1	105.7	39.6	19.8
Fulton	1x0.9	16.8	95.0	72.6	5.6
Garland	32x 9	118.6	97.1	113.2	
Grant	335 9	138.3	108.7	84.0	4.9
Greene	55.7	39.0	16.7		
Hempstead	277 4	127.6	94.3	55.5	
Hot Spring	276.9	81.5	75.5	119.6	
Howard	50.7	47 0	83.6	120.1	
Independence	187.3	90.8	62.4	34.1	
Izard	207.1	56.5	100.4	50.2	
Jefferson	218.8	106.7	64.0	48.0	
Johnson	285.2	112.0	137.5	35.7	
Lafayette	224 4	100.4	82.7	41.3	
Lawrence	84 6	36.3	24.2	24.2	
Lee	98.4	82.0	8.2	8.2	
Lincoln	153.2	86.6	46.6	20.0	
Little River	166.9	78.2	52.1	31.3	5.2
Logan	242.1	84.7	72.6	78.7	6.1
Lonoke	75.8	35.4	15.2	25.3	
Madison	376.2	123.3	154.2	92.5	6.2
Marion	196.5	59.5	71.4	59.5	6.0
Miller	170. 1	73.7	73.7	22.7	
Monroe	1404	105.3	20.1	15.0	
Montgomery	413.3	194.9	135.8	82.7	
Nevada	306.0	207.9	46.2	46.2	5.8
Newton	377.3	123.9	208.3	39.4	5.6
Ouachita	392 9	229.7	66.5	90.7	6.0
Perry	260.8	103.2	81.5	76.1	
Phillips	94 4	65.4	14.5	14.5	
Pike	303.9	105.2	52.6	146. 1	
Poinsett	54.9	41.1	4.6	4.6	4.6
Polk	381 6	109.0	163.6	109.0	
Pope	353 7	129.1	179.7	39.3	5.6
Prairie	77.6	62.1	15.5		
Pulaski	201.8	82.8	82.8	36.2	
Randolph	176.6	49.4	63.6	63.6	
St. Francis	67.1	18.3	24.4	12.2	12.2
Saline	349.7	116.6	105.5	122.1	5.6
Scott	442.7	224.2	149.5	69.0	
Searcy	285.5	75.7	163.2	40.8	5.8
Sebastian	149.6	26.0	52.0	71.5	
Sevier	227.9	97.0	63.0	67.9	
Sharp	219.3	22.5	112.5	73.1	11.2
stone	309 0	85.8	177.4	45.8	
Union	584.9	338.1	91.2	144.9	10.7
Van Buren	345.9	61.4	228.7	55.8	
Washington	259.0	54.8	174.3	19.9	10.0
White	229.5	72.1	85.2	72.1	
Woodruff	63.9	34.4	19.7	4.9	4.9
Yell	401.5	172.9	139.4	78.1	11.2
All counties	17246.6	7450. 1	5769.7	3830.2	196.6

¹Timberland less than 16.7 percent stocked²Mississippi Included inCrittenden.³Jackson Included inCross.

Table 5-Area of timber land by county and site class, Arkansas, 1988

County	All classes	Site class (cubic feet/acre/year)				
		> 165	120-165	85-120	50-5.5	< 50
-----Thousand acres-----						
Arkansas	190.7	11.6	34.7	98.3	34.7	11.6
Ashley	377.4	16.4	114.9	191.4	49.2	5.5
Baxter	209.2		6.3	...	95.1	107.8
Benton	210.7		11.4	5.7	136.6	56.9
Boone	126.7				69.1	57.6
Bradley	353.6	11.4	74.1	205.3	62.7	
Calhoun	330.7	5.5	60.6	181.9	82.7	
Carroll	183.3	..	...	5.6	88.9	88.9
Chicot	83.7	5.6	22.3	16.7	22.3	16.7
Clark	405.4	22.5	101.3	208.3	73.2	
Clay	78.5	28.5	7.1	21.4	14.3	7.1
Clebume	226.5		5.0	20.1	166.1	35.2
Cleveland	330.7	11.6	81.2	226.3	11.6	...
Columbia	381.5	48.4	78.7	181.7	72.7	
Conway	163.9		7.1	42.7	85.5	28.5
Craighead	49.0		9.8	9.8	24.5	4.9
Crawford	211.6	..		13.2	125.7	72.7
Crittenden ¹	49.0	14.7	4.9	4.9	19.6	4.9
Cross ²	112.4		18.7	18.7	37.5	37.5
Dallas	362.5		95.9	191.9	74.6	
Desha	150.8	35.9	28.7	64.6	21.5	
Drew	386.2	32.2	80.5	219.9	53.6	
Faulkner	168.4		18.7	14.0	70.2	65.5
Franklin	231.2		13.2	26.4	132.1	59.5
Fulton	189.9			11.2	72.6	106.1
Garland	328.9	5.4		59.3	237.2	27.0
Grant	335.9	9.9	79.0	197.6	49.4	
Greene	55.7		5.6	5.6	33.4	11.1
Hempstead	277.4	5.5	83.2	138.7	49.9	
Hot Spring	276.9	6.3	31.5	88.1	81.8	69.2
Howard	250.7		20.9	151.5	78.3	
Independence	187.3			5.7	130.6	51.1
Izard	207.1			43.9	100.4	62.8
Jefferson	218.8	10.7	16.0	112.1	74.7	5.3
Johnson	285.2			35.7	173.2	76.4
Lafayette	224.4		23.6	118.1	65.0	17.7
Lawrence	84.6		12.1	6.0	48.4	18.1
Lee	98.4		49.2	24.6	16.4	8.2
Lincoln	153.2	6.7	33.3	59.9	53.3	
Little River	166.9	5.2	41.7	83.4	31.3	5.2
Logan	242.1		6.1	6.1	115.0	115.0
Lonoke	75.8	15.2	5.1	20.2	30.3	5.1
Madison	376.2			6.2	197.3	172.7
Marion	196.5				95.3	101.2
Miller	170.1		45.4	79.4	39.7	5.7
Monroe	140.4	10.0	20.1	55.1	50.1	5.0
Montgomery	413.4		17.7	94.5	242.2	59.1
Nevada	306.0	23.1	98.2	138.6	46.2	
Newton	377.3			5.6	191.5	180.2
Ouachita	392.9	30.2	126.9	187.4	42.3	6.0
Perry	260.8			27.2	206.5	27.2
Phillips	94.4	14.5	21.8	21.8	36.3	
Pike	303.9		52.6	122.7	128.6	...
Poinsett	54.9		13.7	27.4	9.1	4.6
Polk	381.6			109.0	223.5	49.1
Pope	353.7		16.8	73.0	202.1	61.8
Prairie	77.6	10.4	10.4	15.5	41.4	
Pulaski	201.8		5.2	46.6	113.8	36.2
Randolph	176.6	7.1	7.1	14.1	63.6	84.8
St. Francis	67.1	12.2	6.1	24.4	24.4	
Saline	349.7	5.6	16.7	99.9	183.2	44.4
Scott	442.7	5.7	11.5	86.2	270.2	69.0
Searcy	285.5			17.5	163.2	104.9
Sebastian	149.6			6.5	65.0	78.0

Table S-Area of timber land by county and site classes, Arkansas, 1988 - Continued

County	All classes	Site class (cubic feet/acre/year)				
		> 165	120-165	85-120	50-85	< 50
<i>----- Thousand acres -----</i>						
Sevier	227.9	33.9	67.9	67.9	53.3	4.8
Sharp	219.3			16.9	95.6	106.9
Stone	309.0		...	17.2	228.9	62.9
Union	584.9	48.3	193.2	284.4	59.0	
Van Buren	345.9			22.3	223.1	100.4
Washington	259.0				124.5	134.5
White	229.5		26.2	52.4	98.3	52.4
Woodruff	63.9	4.9		24.6	29.5	4.9
Yell	401.5	11.2	16.7	66.9	251.0	55.8
All counties	17246.6	526.3	2056.7	4947.9	6864.1	2851.6

¹Mississippi included in Crittenden

²Jackson included in Cross.

Table 6-Area of timber land by county and stocking classes of growing-stock trees, Arkansas, 1988

County	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
<i>----- Thousand acres -----</i>						
Arkansas	190.7	...	23.1	115.6	46.2	5.8
Ashley	377.4	10.9	54.7	235.2	76.6	
Baxter	209.2	6.3	12.7	126.8	63.4	
Benton	210.7		17.1	113.9	79.7	
Boone	126.7			74.9	51.8	
Bradley	353.6		57.0	199.6	91.2	5.7
Calhoun	330.7	22.0	110.2	148.8	49.6	
Carroll	183.3		11.1	77.8	94.5	..
Chicot	83.7		5.6	33.5	39.1	5.6
Clark	405.4	22.5	123.9	168.9	84.5	5.6
Clay	78.5		21.4	42.8	14.3	
Cleburne	226.5	10.1	45.3	135.9	35.2	
Cleveland	330.7	11.6	69.6	191.5	58.0	
Columbia	381.5	24.2	115.1	181.7	60.6	
Conway	163.9		35.6	64.1	64.1	
Craighead	49.0		4.9	19.6	24.5	
Crawford	211.6		13.2	132.3	66.1	
Crittenden ¹	49.0		19.6	14.7	9.8	4.9
Cross ²	112.4			65.5	46.8	
Dallas	362.5		111.9	197.2	42.6	10.7
Desha	150.8		28.7	71.8	50.3	
Drew	386.2		96.5	166.3	118.0	5.4
Faulkner	168.4		18.7	88.9	60.8	
Franklin	231.2		13.2	151.9	46.2	19.8
Fulton	189.9	5.6	11.2	83.8	83.8	5.6
Garland	328.9	16.2	75.5	172.5	64.7	
Grant	335.9	39.5	69.2	153.1	69.2	4.9
Greene	55.7		5.6	27.9	22.3	
Hempstead	277.4	22.2	44.4	160.9	49.9	
Hot Spring	276.9	6.3	62.9	163.6	44.1	
Howard	250.7	5.2	57.4	135.8	52.2	
Independence	187.3		5.7	141.9	39.7	
Izard	207.1	12.6	6.3	144.3	43.9	
Jefferson	218.8	21.3	69.4	69.4	58.7	
Johnson	285.2	5.1	45.8	183.3	50.9	
Lafayette	224.4	5.9	94.5	94.5	29.5	
Lawrence	84.6			60.4	24.2	

Table 6—Area of timber land by county and stocking classes of growing-stock trees, Arkansas, 1988 - Continued

County	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
<i>-----Thousand acres-----</i>						
Lee	98.4		8.2	73.8	16.4	
Lincoln	153.2		6.7	99.9	46.6	
Little River	166.9	10.4	10.4	93.9	46.9	5.2
Logan	242.1		30.3	127.1	78.7	6.1
Lonoke	75.8	5.1	10.1	40.4	20.2	
Madison	376.2		24.7	234.3	111.0	6.2
Marion	196.5		17.9	101.2	71.4	6.0
Miller	170.1		22.7	113.4	34.0	
Monroe	140.4	5.0	15.0	70.2	so. 1	
Montgomery	413.4	11.8	124.0	200.8	768	
Nevada	306.0	11.5	86.6	144.4	57.7	5.8
Newton	377.3		so.7	202.7	118.3	5.6
Ouachita	392.9	6.0	114.9	223.7	42.3	6.0
Perry	260.8	16.3	48.9	168.5	27.2	
Phillips	94.4		7.3	58.1	29.1	
Pike	303.9	11.7	46.8	192.9	52.6	
Poinsett	54.9		13.7	32.0	4.6	4.6
Polk	381.6	10.9	76.3	196.3	98.1	
Pope	353.7	11.2	44.9	230.2	61.8	5.6
Prairie	77.6		10.4	51.8	15.5	
Pulaski	201.8		15.5	93.1	93.1	
Randolph	176.6			77.7	98.9	
St. Francis	67.1		6.1	36.6	12.2	12.2
Saline	349.7	16.7	94.4	172.1	61.1	5.6
Scott	442.7	11.5	132.2	247.2	51.7	
Searcy	285.5		17.5	151.5	110.7	5.8
Sebastian	149.6		13.0	65.0	71.5	
Sevier	227.9	4.8	33.9	121.2	67.9	
Sharp	219.3		16.9	101.2	90.0	11.2
Stone	309.0		40.1	188.8	80.1	
Union	584.9	26.8	193.2	279.0	75.1	10.7
Van Buren	345.9		16.7	251.0	78.1	
Washmgton	259.0		14.9	114.6	119.5	10.0
White	229.5	13.1	13.1	157.3	45.9	
Woodruff	63.9		14.8	29.5	14.8	4.9
Yell	401.5	5.6	61.3	217.5	106.0	11.2
All counties	17246.6	426.2	3011.0	9369.7	4243.2	196.6

¹Mississippi included in Crittenden.

²Jackson included in Cross,

Table I—Area of timber land by forest type and ownership class, Arkansas, 1988

Forest type ¹	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
-----Thousand acres-----						
Loblolly-shortleaf pine	4185.1	702.6	72.2	1953.1	6.1	1451.3
Softwood total	4185.4	702.6	72.2	1953.1	6.1	1451.3
Oak-pine	3049.9	439.4	68.5	955.4		1586.6
Oak-hickory	7264.6	1138.0	206.3	794.6		5125.7
Oak-gum-cypress	2582.5	16.7	403.5	640.4	6.1	1515.8
Elm-ash-cottonwood	158.9		28.2	15.4		115.4
Hardwood total	13055.9	1594.2	706.5	2405.8	6.1	8343.4
Nontyped ²	5.3			5.3		
All types	17246.6	2296.8	778.7	4364.2	12.1	9794.7

¹Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stock are hardwood types.

²Timberland with no current stocking.

Table 8—Area of timberland by ownership and stocking classes of growing-stock trees, Arkansas, 1988

Ownership class	All classes	> 130	Stocking class (percent)			
			100-130	60-100	16.7-60	< 16.7
----- <i>Thousand acres</i> -----						
National forest	2296.8	72.3	475.4	1383.1	366.0	
Other public	778.7		132.5	419.1	220.5	6.6
Forest industry	4364.2	188.0	1055.9	2234.0	854.1	32.3
Forest industry-leased	12.1			12.1		
Other private	0704.7	165.8	1347.2	5321.5	2802.5	157.7
All ownerships	17246.6	426.2	3011.0	9369.7	4243.2	196.6

Table 9—Area of timberland by forest type and stand-size class, Arkansas, 1988

Forest type ¹	Stand-size class				
	All classes	Sawtimber	Poletimber	Sapling-seedling	Nonstocked ² areas
----- <i>Thousand acres</i> -----					
Loblolly-shortleaf pine	4185.4	2220.9	967.0	997.4	
Softwood total	4185.4	2220.9	967.0	997.4	
Oak-pine	3049.9	1250.9	922.5	870.8	5.7
Oak-hickory	7264.6	2196.5	3287.7	1688.5	92.0
Oak-gum-cypress	2582.5	1704.6	552.9	241.0	84.1
Elm-ash-cottonwood	158.9	77.3	39.5	32.6	9.5
Hardwood total	13055.9	5229.2	4802.7	2832.8	191.3
Nontyped ³	5.3	...	...	...	5.3
All types	17246.6	7450.1	5769.7	3830.2	196.6

¹Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood types.

²Timberland less than 16.7 percent stocked.

³Timberland with no current stocking.

Table 10—Number of live trees on timberland by species and diameter class, Arkansas, 1988

	Diameter class (inches at breast height)												
Species	All classes	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
----- Thousand trees -----													
Shortleaf-bblypine	199 4229	865233	469 536	243709	164725	9 8004	68158	42807	21288	11037	5449	4189	9 5
Cypress	14469	4061	1585	1749	1432	1285	1149	99 1	629	501	255	558	273
Other softwoods	3349 25	2119 55	75633	26423	13868	4141	1837	748	213	81	12	15	
Total softwoods	2343623	1081249	546753	271882	180025	103430	71144	44546	22130	11619	5715	4762	368
Select white oaks	69 5708	315680	15579 6	88357	58489	3369 9	17411	12168	619 1	3552	2217	2034	114
Select red oaks	231160	103124	4379 4	25209	19 458	13488	9 733	6007	3872	2512	1609	2159	19.5
Other white oaks	6069 49	265629	149 39 6	75670	46612	28677	15713	10489	6319	3462	1866	2812	305
Other red oaks	816264	457106	1369 32	68605	51347	35107	2369 0	159 06	11208	6688	4138	4886	650
Hickory	10779 20	651120	213372	107318	51815	25664	13899	7471	3499	1752	9 07	9 76	127
Hard maple	74826	48357	17354	2852	3450	1466	564	367	19 2	121	57	45	
Soft maple	517778	399 716	78632	21388	9 379	39 14	2147	1160	776	270	237	131	28
Beech	21847	12689	5108	644	526	544	49 7	345	29 0	39 4	248	477	83
Sweetgum	9 6829 4	620836	174415	79 311	399 09	22829	1309 3	8338	4624	2535	1219	1050	136
Tupelo-blackgum	462600	335181	69 29 7	24075	12520	7727	4751	3142	2450	1222	732	1201	302
Ash	26399 5	175030	47780	16813	9 752	5883	3221	2175	1455	742	425	638	81
Cottonwood-aspen	9 086	3253	2738	403	19 0	425	350	413	411	261	201	370	70
Basswood	7729	4687	151.5	469	232	302	284	121	42	12	21	44	
Yellow-poplar	401	.	.	142	...	26	27	68	55	29	27	20	8
Black walnut	10860	399 8	2573	1514	1186	870	334	119	129	8.5	19	35	
Other hardwoods	2009 652	15339 29	305189	8209 1	40145	21378	9 825	6624	3829	2685	1808	19 51	19 7
Total hardwoods	7775068	49 30335	140389 1	59 4861	345008	202001	115539	749 14	45343	26320	15733	18828	229 6
Noncommercial	9 84738	779 345	140487	41466	13805	5305	2148	1081	619	264	116	102	.
All species	11103429	679 09 29	209 1131	9 08209	538838	310736	188831	120541	6809 1	38202	21564	2369 1	2664

Table 11—Number of growing-stock trees on timberland by species and diameter class, Arkansas, 1988

Species	All classes	Diameter class (inches at breast height)												29.0 & larger
		1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9		
----- Thousand trees -----														
Shortleaf-bbly pine	158899 5	581560	379 860	221657	158147	9 59 74	67535	42556	21144	109 78	539 8	409 0	9 5	
Cypress	10745	2470	9 84	1321	1336	736	9 68	89 8	585	49 0	243	49 5	220	
Other softwoods	263132	163689	59 054	229 39	12160	29 38	1471	613	180	69	12	7		
Total softwoods	1862872	747719	439 89 8	2459 17	171642	99 648	699 73	44068	219 09	11538	5653	459 2	315	
Select white oaks	418348	113502	106832	76177	5379 0	31375	15245	10267	5164	2805	1659	1456	76	
Select red oaks	135282	30208	33266	21315	17138	11869	8010	5055	3180	2031	1368	169 5	147	
Other white oaks	318829	75770	8649 6	61802	399 12	24550	11606	7736	4675	2603	1460	19 88	232	
Other red oaks	49 0824	19 4763	9 8778	5829 2	47888	32641	20701	1419 5	10034	5801	3540	3803	389	
Hickory	472004	179 443	11869 7	84258	44268	21732	11238	6249	29 79	1473	718	835	114	
Hard maple	29 710	9 826	12434	2400	2802	1326	389	283	126	72	24	28		
Soft maple	136477	83035	30537	12571	5455	2440	1018	578	412	160	181	72	18	
Beech	10831	4552	3328	644	406	461	303	226	177	277	154	276	28	
Sweetgum	565042	3059 34	108727	64343	35851	21723	119 53	7880	4207	2333	1078	9 08	105	
Tupelo-blackgum	140764	66539	3209 9	16384	10099	6302	3304	2026	1663	824	479	817	229	
Ash	9 3078	41573	19 652	119 76	829 0	4619	2378	1809	109 7	676	389	559	60	
Cottonwood-aspen	799 1	2315	2738	325	19 0	425	350	39 7	39 1	261	184	349	66	
Basswood	3750	99 2	1515	366	163	265	262	121	28	12	9	17		
Yellow-poplar	243	...	...	...	...	26	27	52	55	29	27	20	8	
Black walnut	49 32	1474	522	9 40	9 59	607	19 7	60	9 7	61	9	5		
Other hardwoods	545535	30759 7	124441	49 014	28371	16065	7072	4778	2853	2211	1486	1531	117	
Total hardwoods	3373640	1417522	780061	460808	29 5581	176428	9 4053	61713	37137	21629	12763	14359	1587	
All species	5236512	2165240	12199 59	706725	467223	276076	164026	105781	59046	33166	18416	189 51	19 02	

Table 12—Volume of growing stock on timberland by species and diameter class, Arkansas, 1988

Species	Diameter class (inches at breast height)									
	All classes	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9 & larger
<i>----- Million cubic feet -----</i>										
Shortleaf-loblolly pine	7575.0	541.3	994.2	1208.7	1336.3	1239.9	865.2	599.7	369.8	403.4 16.5
Cypress	191.8	2.6	4.9	7.4	15.0	20.2	18.2	22.9	14.5	38.0 48.2
Other softwoods	156.2	48.8	51.0	23.2	17.7	9.5	3.6	1.8	0.5	0.3
Total softwoods	7923.0	592.6	1050.0	1239.2	1369.1	1269.5	887.0	624.5	384.7	441.6 64.7
Select white oaks	1745.5	198.4	308.5	316.8	244.4	229.6	154.2	110.1	82.2	94.0 7.3
Select red oaks	908.6	57.4	99.4	119.0	129.6	112.6	95.9	80.8	69.3	126.8 18.0
Other white oaks	1243.9	134.7	189.1	209.4	155.1	144.9	117.3	86.3	59.8	120.3 27.1
Other red oaks	2399.5	137.1	265.6	327.6	331.1	317.4	303.7	231.0	172.9	267.0 46.0
Hickory	1159.8	164.8	199.8	195.3	172.9	140.8	91.7	62.5	39.5	72.2 20.4
Hard maple	53.3	5.8	14.3	13.0	5.2	5.9	4.1	2.3	1.1	1.6
Soft maple	143.1	32.6	28.0	23.5	15.4	11.9	10.8	7.0	8.0	4.2 1.8
Beech	65.3	1.7	2.1	5.1	4.6	5.0	5.9	12.5	6.3	18.0 4.1
Sweetgum	1494.7	146.6	213.0	255.6	228.3	213.5	158.7	116.3	67.4	75.2 20.0
Tupelo-blackgum	401.2	35.5	51.2	58.6	51.0	43.8	46.3	29.4	20.4	44.6 20.5
Ash	312.0	28.2	48.1	45.9	35.6	37.2	31.3	25.6	16.6	36.4 7.1
Cottonwood-aspen	107.9	1.1	1.3	5.2	6.7	10.7	14.2	12.6	12.3	32.7 10.9
Basswood	15.6	0.8	0.7	2.2	4.2	2.9	1.1	0.7	0.6	2.5
Yellow-poplar	11.4			0.5	0.5	1.6	2.1	1.4	1.4	2.5 1.4
Black walnut	21.7	1.7	4.3	6.2	2.9	1.3	2.7	2.0	0.4	0.2
Other hardwoods	984.4	106.3	144.2	153.0	109.5	104.8	87.2	87.7	70.4	108.4 12.9
Total hardwoods	11068.1	1052.7	1569.6	1736.9	1496.9	1383.8	1127.1	868.3	628.6	1006.5 197.7
All species	18991.1	1645.3	2619.7	2976.1	2865.9	2653.3	2014.1	1492.8	1013.3	1448.1 262.4 --

Table 13—Volume of growing stock in the saw-log portion of saw timber trees on timberland by species and diameter class, Arkansas, 1988

Species	Diameter class (inches at breast height)								
	All classes	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 & larger
<i>----- Million cubic feet -----</i>									
Shortleaf-loblolly pine	5264.3	989.3	1166.2	1102.3	771.1	536.5	328.9	355.4	14.5
Cypress	164.9	4.9	11.5	17.3	16.0	21.1	13.6	35.4	45.0
Other softwoods	47.6	18.6	15.3	8.4	2.9	1.7	0.5	0.2	
Total softwoods	5476.8	1012.9	1193.1	1128.0	790.0	559.3	343.0	391.1	59.5
Select white oaks	757.9		184.8	191.8	130.2	93.0	71.3	79.9	6.8
Select red oaks	533.5	...	98.3	94.9	82.5	70.8	61.2	109.6	16.2
Other white oaks	599.5		121.0	122.9	100.6	73.7	51.9	104.8	24.6
Other red oaks	1398.9		247.5	265.5	262.0	200.8	150.1	231.9	41.2
Hickory	496.7		132.8	117.9	77.6	53.9	34.5	61.8	18.3
Hard maple	16.2		4.1	4.5	3.2	1.9	0.9	1.2	
Soft maple	47.0	...	11.1	9.4	8.6	6.0	6.9	3.5	1.6
Beech	47.4	...	3.1	4.0	5.3	10.4	5.3	15.9	3.3
Sweetgum	723.2		157.2	175.3	139.0	104.2	60.4	68.0	19.0
Tupelo-blackgum	217.4	...	36.7	36.1	40.7	25.9	18.2	40.1	19.6
Ash	158.9		26.2	29.5	26.8	22.3	14.9	32.9	6.2
Cottonwood-aspen	88.9	...	5.2	8.9	12.2	11.3	11.1	29.9	10.2
Basswood	10.3		3.4	2.4	1.1	0.6	0.5	2.3	
Yellow-poplar	9.9		0.4	1.3	1.9	1.2	1.3	2.3	1.4
Black walnut	7.5	...	2.1	1.1	2.0	1.8	0.3	0.2	
Other hardwoods	486.1		80.5	85.0	74.6	77.3	60.6	96.8	11.3
Total hardwoods	5599.3		1114.5	1150.6	968.6	755.2	549.5	881.2	179.7
All species	11076.2	1012.9	2307.6	2278.6	1758.6	1314.5	892.5	1272.3	239.2

‘That part of the bole of sawtimber trees between a 1-foot stump and Saw-log top, including the portion of the forks large enough to contain a saw log.

Table 14—Volume of saw timber on timber land by species and diameter class, Arkansas, 1988

Species	Diameter class (inches at breast height)								
	All classes	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>----- Million board feet -----</i>									
Shortleaf-loblolly pine	32512.9	5439.4	6900.9	6868.0	4992.0	3563.4	2210.6	2440.1	98.6
Cypress	907.9	22.2	56.6	85.9	83.4	120.7	78.0	197.9	263.2
Other softwoods	243.8	90.8	78.0	44.8	16.6	9.4	2.9	1.5	
Total softwoods	33664.6	5552.4	7035.5	6998.7	5092.0	3693.5	2291.3	2639.5	361.8
Select white oaks	4513.6		1014.3	1116.1	789.9	584.4	453.2	515.1	40.7
Select red oaks	3211.7		543.5	548.7	495.6	442.2	386.0	692.9	102.8
Other white oaks	3540.2	.	642.6	699.3	590.9	447.1	326.5	674.5	159.3
Other red oaks	8248.3		1336.8	1493.0	1544.6	1224.6	926.5	1467.4	255.4
Hickory	3006.8	...	736.8	691.2	476.3	342.2	223.9	413.2	123.4
Hard maple	101.5		23.0	27.1	23.3	12.7	6.2	9.1	
Soft maple	271.0		63.3	54.2	47.3	36.4	41.8	20.4	7.6
Beech	300.8		17.4	23.4	32.3	68.3	34.6	101.7	23.1
Sweetgum	4283.0		877.1	1015.2	833.2	637.1	370.0	437.1	113.4
Tupelo-blackgum	1173.1		196.3	200.4	229.4	150.6	105.3	208.8	82.3
Ash	882.0	...	139.8	158.2	153.2	130.0	82.7	182.9	35.0
Cottonwood-aspen	539.8	...	30.1	53.3	73.0	69.9	69.6	16.4	57.6
Basswood	62.9		19.1	13.7	6.9	3.8	3.1	16.2	...
Yellow-poplar	61.3		2.2	8.1	12.0	7.6	7.6	15.2	8.7
Black walnut	43.6		11.1	6.4	12.4	10.7	2.2	0.8	...
Other hardwoods	2845.7		442.9	484.7	442.8	465.3	360.7	884.7	64.6
Total hardwoods	33085.3	...	6096.2	6593.1	5762.9	4632.9	3400.1	5526.2	1073.9
All species	66749.9	5552.4	13131.6	13591.8	10855.0	8326.4	5691.4	8165.7	1435.7

Table 15—Volume of grow ing stock and saw tim ber on tim ber land by county and species group, Arkansas, 1988

County	Growing stock						Saw -tim ber					
	softw ood			H ard w ood			Softw ood			H ard w ood		
	A ll species	Pine		O ther	Soft ¹	H ard ²	A ll species	Pine		O ther	Soft1	H ard ²
		P lanted	Natura l					P lanted	Natura l			
-----Millioncubic feet-----												
Ark ansas	29 6.8		...	13.9	88.8	19 4.1	1208.0	...	...	64.1	352.3	79 1.6
Ash l y	487.8		359 .8	3.1	21.5	103.3	2169 .7	...	1723.6	13.1	63.4	369 .6
Baxter	171.7	12.1	8.9	6.4	10.2	134.0	554.1	38.8	36.7	12.8	23.1	442.6
Benton	182.1	.	1.9	1.2	13.9	165.2	569 .4	.	10.8	4.3	33.1	521.2
Boone	9 3.5	...	0.9	1.4	1.7	89 .6	275.1	...	4.3	1.3	1.7	267.9
Brad l y	515.1	20.4	250.3	3.8	72.0	168.5	2110.9	87.2	1159 .5	19 .4	245.5	599 .2
Caloun	410.5	22.1	206.4	13.8	61.5	106.7	1512.0	26.2	873.8	69 .0	181.9	361.1
Carroll	122.3	.	9 .4	1.5	4.0	107.5	364.8	...	36.9	...	10.2	317.7
Chicot	101.3			0.4	66.0	34.9	446.3	...	...	1.5	274.7	170.1
Clark	503.2	42.0	242.3	4.1	61.4	153.3	19 07.2	120.1	1148.1	15.8	143.8	479 .4
Clay	119 .2	.	...	0.4	35.9	82.8	466.2	...	...	1.4	133.8	331.0
Clburne	179 .6	12.4	61.3	5.0	20.5	80.4	456.8	50.9	223.8	10.5	53.7	117.9
Clve land	563.8	28.9	260.5	0.5	114.1	159 .7	2264.3	121.3	1203.2	1.6	314.9	623.4
Columbia	544.9	12.4	305.6	1.9	75.3	149 .7	2003.5	15.0	1333.9	4.7	19 0.3	459 .5
Conway	116.7	1.2	30.7	8.3	30.6	46.0	325.6	.	9 4.2	27.2	103.8	100.4
Craighead	54.8	...	0.4	9 .0	24.5	21.0	19 1.1	...	...	36.9	87.2	67.0
Crawford	230.9	4.9	26.7	10.6	38.7	150.0	730.0	...	144.4	22.6	122.6	440.4
Crittenden ³	73.9			4.8	51.5	17.6	266.9		..	20.5	206.6	39 .8
Cross ⁴	99 .0			...	15.9	83.1	309 .3		...	...	40.8	268.5
Dallas	474.6	27.6	263.1	0.4	63.4	120.2	1828.3	74.3	1222.3	...	168.5	363.2
Desh a	253.3			20.6	165.5	67.1	1034.0	...		104.7	627.8	301.4
Drew	448.4	54.3	19 5.2	9 .7	69 .5	119 .7	1808.0	232.6	9 42.1	31.1	180.8	421.4
Faulkner	9 6.5	5.0	3.5	3.8	20.6	63.6	240.4	4.6	11.9	4.7	48.1	171.1
Franklin	207.1	6.0	31.9	5.6	33.6	129 .9	611.1	15.6	127.0	5.8	9 1.5	371.1
Fulton	9 7.5	21.0	0.2	0.9	3.3	72.2	218.0	49 .8		1.4	6.2	160.6
Garland	288.5	9 .8	159 .9	0.5	20.7	9 7.6	872.3	7.0	663.4	0.8	29 .7	171.5
Grant	474.3	63.5	152.9	5.9	102.2	149 .8	1542.5	86.2	617.2	27.7	29 5.2	516.3
Greene	67.2		9 .6		11.5	46.1	252.1		45.7	.	28.8	177.6
I lempstead	385.4	109 .2	112.9	0.6	54.4	108.3	1462.8	527.6	49 7.3	2.7	123.1	312.1
Hot Spring	229 .4	20.8	88.7		30.1	89 .8	69 0.0	37.7	367.3		44.5	240.5
I loward	206.1	33.6	81.6	0.4	34.0	56.6	672.1	69 .1	407.7		78.0	117.3
Independence	150.1		29 .0	3.8	16.9	100.5	439 .3		78.3	5.2	55.2	300.7
Izard	155.5		53.7	5.8	8.2	87.8	39 1.6	...	156.8	7.3	23.7	203.7
Jefferson	285.1	6.2	82.3	15.6	57.4	123.6	9 50.6	...	277.9	69 .0	209 .2	39 4.6
Johnson	326.9	27.9	68.7	4.9	44.5	180.9	1121.6	151.7	269 .9	15.0	156.2	528.8
Lafayette	318.9	18.9	172.0	0.6	47.8	79 .7	109 6.1	38.3	732.2	3.0	88.7	233.9
Lawrence	53.4			1.3	7.4	44.7	183.7		.	3.2	20.0	160.5
Lee	166.1		..	3.1	86.2	76.8	734.8		...	15.7	39 0.7	328.4
Lincoln	172.6	8.4	50.1	2.2	28.6	83.3	644.8	25.6	219 .8	10.2	83.0	306.2
Little River	206.2	10.6	108.4		23.2	64.0	824.4	5.3	602.8	...	31.5	184.9
Logan	208.1		115.8	5.3	16.2	70.9	705.0		445.4	7.3	46.6	205.7
Lonoke	73.0	3.5		2.2	19 .1	48.3	257.3	17.7	...	10.8	54.8	174.0
Madison	310.7	...	10.1	2.5	31.9	266.2	9 07.8	..	47.9	4.4	109 .8	745.7
Marion	118.4	.	7.9	7.0	3.0	60.5	357.3	...	32.5	3.9	11.4	309 .4
Miller	180.4	8.4	72.4	6.8	28.3	64.5	589 .0	18.7	322.5	24.7	64.1	159 .0
Monroe	227.4	...	8.0	25.2	77.2	116.9	885.2	...	30.5	148.7	242.9	463.2
Montgomery	625.8	35.3	39 8.5	0.3	26.2	165.5	2432.1	102.7	19 03.8	...	50.8	374.8
Nevada	432.8	43.1	203.2	1.8	67.3	117.4	1675.1	160.7	9 31.0	8.4	162.9	412.1
Newton	416.2		42.7	7.2	34.9	331.5	1140.9	...	163.9	9 .9	127.6	839 .4
Ouachita	563.2	19 .4	270.6	1.5	109 .7	162.0	219 8.0	9 7.0	1286.1	7.2	315.4	49 2.3
Perry	238.9	3.6	160.2	1.1	15.6	58.4	848.9	..	671.1	0.8	60.1	116.8
Phillips	114.8	.		0.7	40.6	73.4	457.2	...	.	3.9	164.7	288.6
Pike	276.1	57.0	152.3		13.5	53.3	1119 .2	217.5	716.9	...	40.5	144.4
Poinsett	77.1	...	...	2.5	16.8	57.7	325.9		..	15.6	71.2	239 .1
Polk	359 .7	4.1	178.7	2.9	30.7	143.3	1062.3	17.7	734.9	1.5	71.4	236.8
Pope	39 5.3	2.2	112.3	8.7	38.4	233.6	X2.54.6	5.7	471.4	15.4	143.2	619 .0
Prairie	142.3	...	0.4	8.0	53.8	80.1	528.4		2.0	39 .2	19 8.9	288.3
Puaski	177.6	1.6	65.3	6.8	27.0	76.8	556.9	3.3	276.9	24.7	67.2	184.8
Randolph	9 6.1			2.0	15.2	78.9	313.5			5.2	45.5	262.8
St. Francis	69 .0		.	0.5	20.1	48.4	249 .0	.	...	2.2	58.6	188.1
Saline	336.9	25.9	134.3	0.3	50.7	125.7	1111.8	79 .9	553.3	...	136.2	342.4
Scott	629 .9	36.1	420.7	7.6	30.1	135.4	2138.4	126.5	1675.3	12.5	81.2	242.8

Table 15—Volume of growing stock and saw timber on timber land by county and species group, Arkansas, 1988 - Continued

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft1	Hard ²		Pine		Other	Soft ¹	Hard ²
		Planted	Natural					Planted	Natural			
			----- Million cubic feet -----						----- Million board feet -----			
Searcy	242.5	...	20.0	2.3	29.9	190.3	641.5	..	84.9	3.4	80.2	473.1
Sebastian	51.4		6.7	2.2	10.9	31.7	117.1	...	16.1	7.1	12.9	81.0
Sevier	248.2	2.7	73.3	5.3	63.8	103.0	915.2	1.6	377.4	9.6	197.1	329.4
Sharp	105.2	1.3	3.5	6.5	4.1	89.8	193.6	...	7.1	4.1	3.4	179.1
Stone	277.2	1.7	47.3	8.0	23.6	196.7	768.7	7.6	196.7	9.1	64.9	490.3
Union	852.7	57.2	404.7	6.4	132.6	251.8	3523.0	177.8	2041.0	26.3	348.5	929.4
Van Buren	273.8	1.9	66.0	8.6	20.2	177.2	661.2		238.5	8.7	58.0	355.9
Washington	186.2	0.4	7.1	6.2	15.2	157.2	435.6	..	22.8	11.5	26.1	375.3
White	212.6	...	18.2	9.3	58.2	126.9	678.8		59.6	34.6	186.2	398.4
Woodruff	88.7		...	10.8	25.9	52.0	309.7		...	51.8	65.4	192.5
Yell	452.8	6.0	255.7	5.5	65.2	120.5	1642.0	23.0	1128.1	5.0	169.1	316.8
All counties	18991.1	890.4	6684.6	348.0	2952.8	8115.2	66149.9	2842.6	29670.3	1151.7	8900.3	24185.0

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

³Mississippi included in Crittenden.

⁴Jackson included in Cross.

Table M—Volume of timber on timber land by class of timber and species group, Arkansas, 1988

Class of timber	All species	Softwood			Hardwood	
		Pine		Other	Soft ¹	Hard ²
		Planted	Natural			
----- <i>Million cubic feet</i> -----						
Sawtimber trees:						
Saw-log portion	11076.2	470.8	4793.5	212.5	1523.5	4075.9
Upper-stem portion	1913.1	81.7	693.6	28.3	300.4	809.1
Total	12989.2	552.5	5487.1	240.8	1823.8	4885.0
Poletimber trees	6001.9	337.9	1197.6	107.2	1129.0	3230.2
All growing-stock trees	18991.1	890.4	6684.6	348.0	2952.8	8115.2
Rough trees:						
Sawtimber size	728.9	3.5	30.4	21.8	151.4	521.8
Poletimber size	746.0	16.3	72.2	11.7	156.8	489.0
Total	1474.9	19.8	102.6	33.5	308.2	1010.8
Rotten trees:						
Sawtimber size	263.8	0.2	1.1	11.4	71.7	179.4
Poletimber size	22.5		...		8.3	14.2
Total	286.3	0.2	1.1	11.4	80.0	193.6
Salvable dead trees:						
Sawtimber size	56.4	3.1	13.7	0.7	6.6	32.3
Poletimber size	52.5	3.7	10.7	2.5	4.3	31.3
Total	108.9	6.8	24.5	3.2	10.9	63.5
All classes	20861.3	917.2	6812.9	396.1	3352.0	9383.1

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 17—Volume of live trees and growing stock on timber land by ownership class and species group, Arkansas, 1988

Ownership class	Live trees						Growing stock					
	All species	Softwood			Hardwood		All species	softwood			Hardwood	
		Pine		Other	Soft ¹	Hard ²		Pine		Other	Soft ¹	Hard ²
		Planted	Natural					Planted	Natural			
----- Million cubic feet -----												
National forest	3470.0	109.1	1527.3	23.8	264.6	1545.1	3204.7	103.4	1503.4	23.1	225.0	1349.9
Other public	1175.1	21.0	141.6	55.2	285.4	671.9	1070.1	20.8	141.3	50.1	250.0	607.9
Forest industry	5169.6	434.3	2345.7	67.2	818.8	1503.7	4850.0	426.1	2308.1	58.6	729.7	1327.4
Forest industry-leased	17.3		5.5	1.3	0.6	9.9	15.8	.	5.5	1.3	0.4	8.5
Other private	10920.3	346.1	2768.3	245.4	1971.6	5589.0	9850.5	340.1	2726.4	214.8	1747.6	4821.5
All ownerships	20752.3	910.4	6788.4	392.9	3341.1	9319.6	18991.1	890.4	6684.6	348.0	2952.8	8115.2

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 18—Average net annual growth of growing stock and saw timber on timber land by county and species group, Arkansas, 1988

county	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine			Soft ¹	Hard ²		Pine			Soft ¹	Hard ²
		Planted	Natural	Other				Planted	Natural	Other		
----- Million cubic feet -----						----- Million board feet -----						
Arkansas	9.6	...		-0.1	3.3	6.3	34.9	...		-0.3	11.8	23.5
Ashley	27.5	0.3	21.3	0.1	1.0	4.8	124.1	1.7	100.6	0.7	2.7	18.4
Baxter	7.7	0.1	0.6	0.3	0.6	6.2	31.7	1.2	3.4	0.9	2.1	24.1
Benton	8.6	...	0.1		0.7	7.8	30.0		0.5	0.2	2.1	27.3
Boone	2.1	...		0.1		1.9	9.3	...	0.4	0.2	...	8.7
Bradley	28.5	0.7	17.4	0.1	2.8	7.4	132.9	4.7	84.2	0.6	12.9	30.3
Calhoun	26.8	0.7	16.9	0.1	2.7	6.5	97.0	0.8	64.1		9.0	22.9
Carroll	5.2	.	...	0.1	0.4	4.8	18.3	...	-1.0	...	0.7	18.7
Chicot	2.3		..		1.2	1.1	14.1	..	...	0.1	10.0	4.0
Clark	23.0	0.1	15.3	0.1	2.1	5.5	114.2	0.4	74.0	-0.3	9.1	30.9
Clay	3.7	...		0.1	0.6	3.0	20.7		...	0.2	4.1	16.4
Cleburne	8.4	0.2	3.2	0.2	0.8	4.0	25.1	1.5	14.2	0.4	2.4	6.1
Cleveland	23.9	0.5	14.2	..	3.4	5.7	103.3	3.0	66.8	0.2	9.1	24.3
Columbia	30.0	1.0	19.9	0.1	2.3	6.7	120.2		89.0	-0.1	6.8	24.5
Conway	5.9		2.0	0.4	1.0	2.5	18.6		7.2	1.8	3.7	5.9
Craighead	2.9			0.3	1.6	0.9	10.7		...	1.1	5.8	3.8
Crawford	9.6		1.2	0.5	1.8	6.0	35.7	...	6.0	0.7	7.1	21.9
Crittenden ³	2.8		...	0.1	1.5	1.2	10.0			0.2	6.2	3.7
Cross ⁴	2.5		...		0.6	1.9	12.5	...	.		2.9	9.6
Dallas	27.1	1.0	16.0	...	2.9	7.1	112.4	5.2	72.8	...	8.7	25.6
Desha	9.3		...	0.3	6.7	2.3	40.8	...	.	0.3	29.7	10.8
Drew	25.3	1.1	15.9	0.1	2.4	5.8	112.2	8.2	77.4	0.1	5.7	20.7
Faulkner	5.7		0.9	0.1	1.0	3.6	18.1		1.7	0.2	3.9	12.3
Franklin	5.2	0.3	1.5	0.2	0.8	2.4	25.6	1.3	6.4	0.1	3.3	14.4
Fulton	6.4	0.4	1.1	0.1	...	4.8	19.3	4.1	3.2	0.1	0.3	11.7
Garland	9.6		5.1	.	0.5	4.1	33.5	0.4	24.7	0.1	0.6	7.7
Grant	23.5		15.2	...	1.8	6.5	75.7	-1.0	50.2	0.4	4.8	21.3
Greene	1.5		0.1		0.4	0.9	8.4	...	0.8	...	1.5	6.1
Hempstead	14.7	1.4	8.7	...	1.0	3.5	73.6	14.3	40.3	...	2.9	16.2
Hot Spring	10.3	0.7	4.6	...	0.7	4.1	41.1	4.2	17.7	...	3.2	16.0
Howard	12.4	0.6	7.9	-0.1	1.0	3.1	51.1	3.6	36.3	-0.1	3.9	7.4
Independence	6.4		1.1	0.2	0.5	4.5	19.4	...	2.7	0.3	1.8	14.6
Izard	7.6	..	2.0	0.2	0.3	5.1	21.5		8.8	0.1	1.2	11.3
Jefferson	13.7	0.2	5.7	0.8	1.3	5.7	43.5	...	19.9	3.6	-0.4	20.3
Johnson	6.9		2.7	...	1.4	2.9	29.2	...	9.0	0.1	6.5	13.6
La Fayette	21.4	0.1	14.2	...	1.9	5.1	76.7	1.3	56.4	-0.1	2.8	16.2
Lawrence	1.9			.	0.4	1.6	10.3	..		0.3	1.3	8.7

Table 18—Average net annual growth of growing stock and saw timber on timber land by county and species group, Arkansas, 1988-Continued

County	Growing stock						Sawtimber							
	All species	Softwood			Hardwood		All species	Softwood			Hardwood			
		Planted	Pine		Other	Soft ¹		Hard ²	Planted	Pine		Other	Soft ¹	Hard ²
			Natural	Other						Natural	Other			
----- <i>M i l l o n c u b i c f e e t</i> -----														
Lec	4.2			0.1	1.7	2.5	26.2		..	0.2	11.1	14.9		
Lincoln	7.3	0.1	3.5	-0.1	1.0	2.8	32.8	1.0	15.2	-0.2	4.1	12.8		
Little River	9.9		6.0		1.0	2.9	45.3		31.8		1.9	11.6		
Logan	5.7		3.8	0.3	0.5	1.0	28.3		20.2	0.7	2.8	4.5		
Lonoke	3.4			0.2	0.6	2.5	13.9			1.2	2.2	10.4		
Madison	11.9		0.4	0.2	1.9	9.4	54.8		3.7	0.5	7.5	43.1		
Marion	9.2		0.3	0.5	0.2	8.2	32.3		1.4	0.4	1.1	29.3		
Miller	11.0	0.1	5.6		1.4	3.9	43.0	0.4	26.2	0.3	3.3	12.9		
Monroe	4.6		0.3	0.1	0.9	3.2	21.1		2.2	0.4	3.7	14.9		
Montgomery	17.8	0.1	10.7		1.1	5.8	97.9	0.6	75.6	.	3.6	18.2		
Nevada	18.1	0.9	11.0	0.1	1.2	4.8	91.7	5.5	56.0	0.5	6.5	23.2		
Newton	18.2		2.3	0.4	1.6	13.9	64.5		9.0	0.7	6.8	48.0		
Ouachita	26.6	0.6	14.0		3.4	8.5	119.0	1.5	71.6	-0.1	13.8	32.2		
Perry	8.2	0.2	4.8	0.1	0.8	2.3	39.8	2.0	28.5	0.1	3.2	5.9		
Phillips	2.4				1.2	1.2	15.4				7.1	8.3		
Pike	14.5	1.6	10.9		0.5	1.5	70.4	12.4	51.3		1.8	4.9		
Poinsett	2.7			0.2	0.4	2.2	17.8			0.9	2.9	14.0		
Pope	9.2		3.0	0.5	0.4	5.4	38.6	0.5	15.1	1.3	0.1	21.6		
Prairie	5.5			0.3	2.9	2.3	20.4		0.2	0.9	10.6	8.6		
Pulaski	8.3		3.0		1.8	3.5	32.7		16.0		5.4	11.4		
Randolph	2.8				0.5	2.2	18.4			0.1	3.0	15.3		
St. Francis	3.0				0.7	2.3	10.3				1.6	8.7		
Saline	13.5	0.6	5.5		1.2	6.2	56.1	2.2	30.1		4.1	19.6		
Scott	19.2	0.2	14.2	0.6	1.1	3.1	81.9	1.2	70.5	1.1	3.4	5.8		
Searcy	12.8		0.4	0.1	1.8	10.6	40.9		2.1		5.9	32.9		
Sebastian	0.4		0.3	0.1	-0.1	0.2	5.0		1.8	0.3	0.3	2.7		
Sevier	11.0		3.8	0.3	1.6	5.3	44.7	0.1	18.9	0.4	5.1	20.2		
Sharp	4.9	0.3	0.1	0.3	0.2	4.1	10.9	0.3	0.5	0.4	0.2	9.5		
Stone	9.9		1.5	0.4	1.1	7.0	40.1		7.1	0.8	3.0	29.1		
Union	38.8	0.7	23.3	0.2	3.2	11.4	185.6	4.6	122.3	1.1	10.3	47.2		
Van Buren	11.3		3.5	0.3	0.8	6.7	40.4	0.1	14.5	0.1	3.4	22.3		
Washington	6.2		0.4	0.3	0.6	4.9	21.3		0.9	0.4	1.4	18.6		
White	11.8	0.2	1.0	0.2	3.5	6.9	40.2	1.6	3.5	0.5	12.2	22.4		
Woodruff	3.5				1.4	2.1	17.5			0.4	4.6	12.5		
Yell	13.3		8.0	0.2	1.9	3.4	67.8		47.7	0.3	5.2	14.6		
All counties	813.4	15.2	362.2	10.4	99.0	326.6	3408.5	90.1	1709.9	25.7	357.3	1225.5		

¹ Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

² Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

³ Mississippi included in Crittenden.

⁴ Jackson included in Cross.

Table N-Average net annual removals of growing stock and saw timber on timber land by county and species group, Arkansas, 1988

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft1	Hard²		Pine		Soft¹	Hard²	
		Planted	Natural					Planted	Natural			Other
----- Million cubic feet -----												
Arkansas	0.8			0.1	0.3	0.4	4.9			0.7	2.1	2.1
Ashley	25.9	0.5	18.9		1.9	4.7	116.4	1.3	98.1	.	2.4	14.7
Baxter	0.1					0.1	0.5	...		.	...	0.5
Benton	1.1				..	1.1	4.2	...		..	.	4.2
Boone	1.0			0.1	0.2	0.7	3.1	...		0.2	0.6	2.3
Bradley	21.9	2.9	15.5		1.0	2.6	100.4	7.9	79.3		2.4	10.8
Calhoun	15.9	0.6	11.5		0.5	3.2	54.0	0.4	43.5	...	1.3	8.8
Carroll	1.8		0.3			1.4	5.2	...		...	0.1	5.1
Chicot	2.4		...	.	1.1	1.3	9.1	...		.	3.6	5.5
Clark	32.8		19.5	0.1	2.8	10.5	128.5	..	85.7	0.3	9.7	32.8
Clay					.							
Cleburne	3.8		1.9		0.1	1.8	10.9		7.2		0.2	3.5
Cleveland	19.5	0.6	12.1		1.7	5.0	79.2	0.2	53.3		5.7	20.0
Columbia	21.8	1.5	16.6		0.8	2.9	77.2	...	66.2		2.2	8.8
Conway	1.6			0.2	0.7	0.7	2.8				2.6	0.1
Craighead	0.6					0.6	0.6					0.6
Crawford	2.5		0.9	0.3	0.4	0.8	5.8		4.4		0.8	0.5
Crittenden³	1.2			0.1	1.0	0.2	6.0			0.4	5.2	0.4
Cross⁴	1.6					1.6	7.8					7.8
Dallas	19.2	0.8	12.1		1.2	5.0	79.5	2.7	60.2	...	1.4	15.1
Dcsba	2.1			0.5	0.9	0.8	10.5			3.0	4.0	3.6
Drew	30.1	2.0	17.4	0.5	2.0	8.2	128.4	5.2	90.2	1.6	4.6	26.8
Faulkner	1.7		0.5		0.6	0.6	7.0		1.8		2.7	2.5
Franklin	2.5	0.4	0.6		0.1	1.3	7.6	0.2	3.5		0.4	3.4
Fulton	3.6		2.0		0.1	1.4	11.8		5.6		0.5	5.7
Garland	16.0		11.7		0.3	4.0	62.2		54.2		0.9	7.1
Grant	23.5		10.9		3.0	9.5	103.5		53.1		12.0	38.4
Greene	1.4		0.1		0.5	0.7	4.0		0.3	0.1	1.8	1.9
Hempstead	16.0	2.5	9.4		1.1	3.0	56.6	6.8	36.3	.	3.3	10.1
Hot Spring	15.0	2.7	7.2		0.8	4.3	62.8	14.5	35.5		1.2	11.5
Howard	28.7	1.4	20.8		1.9	4.6	141.0	5.1	118.1		4.0	13.9
Independence	2.8		0.4		0.1	2.3	9.8		1.4			8.4
Izard	1.4		1.2		0.1	0.1	5.7		4.8		0.3	0.7
Jefferson	10.2		4.7		0.9	4.6	40.2		22.9		4.0	13.3
Johnson	2.8		1.8			1.0	7.8		6.6	0.2	...	1.0
Lafayette	12.1		10.2		0.2	1.7	40.7		35.2	..	0.1	5.4
Lawrence	1.4				0.2	1.2	4.1		.		0.7	3.3
Lee	5.9				1.1	4.7	27.5				4.7	22.8
Lincoln	4.2	0.3	2.1		0.8	1.2	13.4	0.6	8.5		2.6	1.7
Little River	10.3		8.1		0.4	1.9	36.3		32.6		0.2	3.5
Logan	5.9		5.2		0.1	0.6	26.0		24.7			1.4
Lonoke								..				
Madison	3.1		0.4	0.1	0.1	2.4	9.7		1.5	0.2	0.5	7.4
Marion	0.2					0.2				...		
Miller	7.5	.	4.1		1.0	2.3	24.9		16.9	.	2.8	5.2
Monroe	5.6	..	0.2		1.0	4.4	26.7		0.8		4.0	21.9
Montgomery	18.8	1.5	13.0		0.7	3.6	69.6	8.0	56.6	.	0.7	4.3
Nevada	20.1	1.4	10.1		2.5	6.1	76.7	5.1	46.2		7.2	18.2
Newton	6.0		0.2		0.6	5.1	18.8		0.5		2.4	15.9
Ouachita	29.5	1.6	12.2		6.0	9.7	118.6	5.7	57.7		25.7	29.5
Perry	8.9	0.9	5.8		0.4	1.8	34.8	4.4	27.4		1.2	1.9
Phillips	1.6				0.9	0.7	7.7		.		5.0	2.7
Pike	23.9	2.8	17.3	0.1	1.0	2.8	102.0	8.0	87.8	0.2	1.6	4.4
Poinsett	0.3					0.3	..					
Polk	16.8	0.1	14.9		0.2	1.5	72.1	0.5	68.3		0.2	3.2
Pope	5.8		3.1		0.3	2.3	16.5		9.9		0.9	5.8
Prairie	0.6				0.4	0.2	3.7				2.5	1.2
Pulaski	3.4		2.0		0.4	1.0	9.2		7.0		0.9	1.3
Randolph	2.9				0.2	2.7	9.5				0.3	9.2
St. Francis	0.7			0.1	0.1	0.5	2.9			0.2	0.7	2.0
Saline	21.7	2.4	12.3		1.3	5.6	70.9	9.2	44.8		3.4	13.6

Table 19—Average net annual removal of growing stock and saw timber on timber land by county and species group, Arkansas, 1988 - Continued

County	Growing stock						Sawtimber					
	All species	softwood			Hardwood		All species	softwood			Hardwood	
		Pine		Other	Soft ¹	Hard ²		Pine		Other	Soft1	Hard ²
		Planted	Natural					Planted	Natural			

	<i>Million cubic feet</i> -----						----- <i>Million board feet</i> -----					
Scott	17.4	...	15.6	0.2		1.6	66.1	...	63.9	0.6	..	1.5
Searcy	2.4	..	0.1	...	0.1	2.2	7.2				0.2	6.9
Sebastian	1.2	.	1.0	...		0.1	4.1		4.1	...		
Sevier	18.5	0.1	12.9	..	1.7	3.8	77.1	0.2	63.9	...	3.2	9.8
Sharp	3.2	1.0	.	.		2.2	8.4	1.1	...			7.4
Stone	3.0		0.9	...	0.1	1.9	9.6	...	3.0	...	0.4	6.3
Union	43.7	1.2	30.4		3.6	8.4	193.7	5.0	150.8	0.2	8.0	29.6
Van Buren	2.7	0.4	1.6		...	0.7	7.5	1.3	5.2			1.0
Washington	3.7			..	0.2	3.4	11.7	...	...	0.2	1.0	10.6
White	2.8		...	..	0.3	2.5	8.5				1.4	7.2
Woodruff	3.3	...		...	1.2	2.1	12.6	.	..	...	3.6	9.0
Yell	10.9		8.3	0.3	0.5	1.8	37.9	0.1	28.0	0.9	2.0	6.8
All counties	663.4	29.6	390.2	3.0	53.9	186.6	2621.8	93.4	1777.4	8.9	168.0	574.1

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

³Mississippi included in Crittenden.

⁴Jackson included in Cross.

Table 20—Average net annual growth and average annual removal of growing stock on timber land by species, Arkansas, 1988

Species	Growth	Removals
----- <i>Million cubic feet</i> -----		
Yellow pines	377.4	419.8
Other softwoods	10.4	3.0
Total softwoods	387.8	422.8
Select white-red oaks	107.7	55.9
Other white-red oaks	153.5	103.4
Hickory	35.9	18.5
Hard maple	2.2	0.1
Sweetgum	49.7	32.4
Ash-walnut-black cherry	15.8	4.8
Yellow-poplar	0.5	...
Other hardwoods	60.4	25.4
Total hardwoods	425.6	240.6
All species	813.4	663.4

Table 21—Average net annual growth and average annual removals of saw timber on timber land by species, Arkansas, 1988

Species	Growth	Removals
----- Million board feet -----		
Yellow pines	1799.9	1870.8
Other softwoods	25.7	8.9
Total softwoods	1825.6	1879.7
Select white-red oaks	403.1	181.4
Other white-red oaks	615.2	317.3
Hickory	113.2	53.0
Hard maple	7.9	
Sweetgum	173.3	99.7
Ash-walnut-black cherry	55.3	15.2
Yellow-poplar	3.2	
Other hardwoods	211.7	75.5
Total hardwoods	1582.9	742.1
All species	3408.5	2621.8

Table 22—Average annual mortality of growing stock and saw timber on timber land by species, Arkansas, 1988

Species	Growing stock	Sawtimber
----- Million cubic feet ----- Million board feet -----		
Yellow pines	41.2	103.2
Other softwoods	1.5	3.1
Total softwoods	42.7	106.3
Select white-red oaks	17.0	43.8
Other white-red oaks	32.7	76.3
Hickory	10.4	25.7
Hard maple	0.2	0.3
Sweetgum	12.8	37.2
Ash-walnut-black cherry	3.4	7.9
Other hardwoods	22.8	67.6
Total hardwoods	99.4	258.7
All species	142.1	365.0

Table 23—Average net annual growth and average annual removals of growing stock on timber land by ownership class and species group, Arkansas, 1988

Ownership class	Growth						Removals					
	Softwood			Hardwood			Softwood			Hardwood		
	Pine						Pine					
	All species	Planted	Natural	Other	Soft ¹	Hard ²	species	Planted	Natural	Other	Soft ¹	Hard ²
----- Million cubic feet -----												
National forest	88.9	0.8	39.8	1.2	31.1	39.0	51.5	0.5	35.8		1.2	14.0
Other public	36.5	0.4	4.8	0.7	8.5	22.0	11.7	1.7	5.8	0.2	1.2	2.8
Forest industry	261.1	4.5	170.5	1.2	21.7	63.2	321.3	9.9	220.5	0.6	23.4	66.8
Forest industry-leased	1.1		0.5	0.1		0.5	0.7		0.7			
Other private	425.9	9.5	146.6	7.3	60.6	201.9	278.3	17.4	127.4	2.2	28.1	103.0
All ownerships	813.4	15.2	362.2	10.4	99.0	326.6	663.4	29.6	390.2	3.0	53.9	186.6

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Tab l 24--Average net annual growth and average annual removal of saw timber on timber land by ownership class and species group, Arkansas, 1988

Ownership class		Growth							Removals				
		Softwood			Hardwood				Softwood			Hardwood	
		Pine		Other	Soft ¹	Hard ²	All species	Pine		Other	Soft1	Hard2	
		All species	Planted					Natural	Planted				Natural
		----- Million board feet -----											
National forest	432.0	4.9	240.9	1.3	35.1	149.7	184.7	0.2	152.3	2.4	29.7		
Other public	156.9	1.6	23.6	2.3	29.2	100.2	49.2	5.1	28.4	1.0	5.6		
Forest industry	1077.2	26.4	734.4	2.9	84.8	228.7	1382.0	37.8	1065.9	2.6	75.5		
Forest industry-leased		5.2	2.9		0.1	2.2	3.8		3.8				
Other private	1737.2	57.1	708.2	19.1	208.2	744.6	1002.1	50.3	527.1	5.3	84.5		
All ownerships	3408.5	90.1	1709.9	25.7	357.3	1225.5	2621.8	93.4	1777.4	8.9	168.0		

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Tab l 25--Volume of saw timber on timber land by species and tree grade, Arkansas, 1988

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
----- Millionboard feet -----						
Yellow pines	32512.9	8276.1	7469.6	16603.6		163.6
Cypress	907.9	274.5	248.0	260.7		124.7
Redcedar	243.8	230.6				13.3
Total softwoods	33664.6	8781.1	7717.6	16864.3		301.6
Select white-red oaks	7125.3	548.7	1419.7	3690.9	1642.6	423.4
Other white-red oaks	11788.5	515.8	1858.6	5199.2	3381.6	833.2
Hickory	3006.8	138.8	462.9	1564.9	635.3	204.9
Hard maple	101.5			34.7	43.0	23.9
Sweetgum	4283.0	508.9	1012.7	1834.5	671.5	255.4
Tupelo and blackgum	1173.1	91.8	241.0	568.1	97.4	174.8
Ash-walnut-black cherry	1014.9	120.1	241.9	489.3	37.9	125.7
Yellow-poplar	61.3	17.9	7.6	21.4	6.8	7.7
Other hardwoods	3930.9	264.6	523.5	1956.5	683.2	503.2
Total hardwoods	33085.3	2206.6	5767.8	15359.6	7199.2	2552.2
All species	66749.9	10987.7	13485.4	32223.8	7199.2	2853.8

Supplemental Tables 26-36

Table 26—Area of timberland by stand age, forest type group and type of regeneration, Arkansas, 1988

Stand age class	Pine		Oak-pine		Other hardwood types	
	Artificial	Natural	Artificial	Natural	Artificial	Natural
----- Thousand acres -----						
1-10	467.6	81.9	213.0	71.8	166.3	200.0
11-20	371.8	54.7	38.4	23.6	5.4	10.3
21-30	77.2	70.3	6.6	15.5	5.6	11.8
31-40	67.2	73.4	5.4	10.2		10.9
41-50	33.2	42.8		6.7		6.7
> 50	10.8	71.3	5.8	21.7		8.2
Mixed	157.7	2605.4	96.0	2528.4	79.8	9441.1
Total	1185.5	3999.9	366.0	2683.9	257.0	9749.0

Table 27—Volume of softwood growing stock on timberland by forest type, Arkansas, 1988

County	Forest type group						
	Total	Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash cottonwood
		Planted	Natural				
----- Million cubic feet -----							
Arkansas	139	...	...	...	...	13.9	...
Ashley	363.0	...	297.0	47.6	10.0	8.4	...
Baxter	27.5	12.1	0.4	10.9	4.0	...	...
Benton	3.1	...	1.2	...	1.9	...	...
Boone	2.7	...	...	1.0	1.2	...	...
Bradley	274.5	19.1	155.1	73.2	15.2	12.0	...
Calhoun	242.3	22.1	146.6	46.2	6.3	21.0	...
Carroll	10.9	...	...	6.7	4.2	...	...
Chicot	0.4	...	...	...	...	0.2	0.2
Clark	288.5	40.1	135.6	86.1	21.2	5.4	...
Clay	0.4	...	...	...	...	0.4	...
Cleburne	78.8	11.3	32.7	25.0	9.7	...	...
Cleveland	289.9	28.9	169.7	62.7	26.8	1.7	...
Columbia	319.9	12.4	214.0	79.3	11.9	2.3	...
Conway	40.2	...	17.5	16.5	6.2	...	...
Craighead	9.4	...	...	...	0.4	5.3	3.7
Crawford	42.2	2.3	18.8	16.8	4.3	...	...
Crittenden ¹	4.8	...	...	...	...	4.6	0.2
Cross ²	...	...	...	...	...	...	...
Dallas	291.1	26.5	162.1	75.8	24.6	2.1	...
Desha	20.6	...	...	...	...	20.6	...
Drew	259.2	44.8	120.7	54.6	17.3	12.8	...
Faulkner	11.3	5.6	...	4.6	2.1	...	...
Franklin	43.5	...	29.0	11.9	2.0	...	...
Fulton	22.0	21.0	...	0.2	0.9	...	...
Garland	170.1	8.0	108.6	21.4	32.2	...	...
Grant	222.4	56.8	90.1	52.8	16.7	5.9	...
Greene	9.6	...	...	5.7	3.9	...	...
Hempstead	222.7	109.2	48.7	56.1	8.1	0.6	...
Hot Spring	109.5	19.2	21.0	45.1	21.5	2.8	...
Howard	115.6	31.1	37.7	40.6	2.5	3.8	...

Table 27—Volume of softwood growing stock on timber land by forest type, Arkansas, 1988 - Continued

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash cottonwood
		Planted	Natural				
-----Million cubic feet-----							
Independence	32.8		17.5	10.2	5.1		
Izard	59.5		39.2	12.3	8.0		
Jefferson	104.1	6.2	50.0	15.3	17.0	15.6	
Johnson	101.4	27.9	49.2	19.8	4.6		
Lafayette	191.5	18.9	121.5	27.0	12.8	11.3	
Lawrence	1.3				1.3		
Lee	3.1		..	..		3.1	
Lincoln	60.7	4.8	38.9	6.3	8.5	2.2	
Little River	119.0	10.6	64.0	42.3	1.4	0.7	
Logan	121.1		79.7	34.5	6.9		
Lonoke	5.6	3.5				2.2	
Madison	12.5		0.2	12.1	0.2		
Marion	14.9		7.2	1.9	5.9		
Miller	87.6	8.4	53.1	10.4	9.0	6.8	
Monroe	33.2			4.7	3.3	25.2	
Montgomery	434.0	25.4	318.3	64.0	26.4		
Nevada	248.1	25.3	136.0	60.5	13.0	13.2	
Newton	49.8		23.7	15.6	10.6	..	
Ouachita	291.4	19.4	189.0	60.7	12.5	9.8	
Perry	164.9	3.2	115.7	41.3	4.0	0.7	
Phillips	0.7					0.7	
Pike	209.3	52.2	100.8	51.0	5.3		
Poinsett	2.5					0.2	2.3
Polk	185.7	1.3	73.6	88.4	22.4		
Pope	123.3		75.6	35.6	11.7	0.3	
Prairie	8.5				0.4	8.0	
Pulaski	73.7	1.6	24.9	32.9	8.1	6.2	
Randolph	2.0		0.6		1.0	0.4	
St. Francis	0.5					0.5	
Saline	160.5	25.5	71.7	50.9	11.2	1.1	
Scott	464.4	36.1	345.1	56.2	27.1		
Searcy	22.3		9.4	2.2	10.7		
Sebastian	8.9		3.7	2.1	3.1		
Sevier	81.4	2.7	51.1	16.9	10.1	0.5	
Sharp	11.3		1.7	6.0	3.6		
Stone	57.0	2.8	15.5	31.5	7.1		
Union	468.3	52.1	257.5	117.5	30.8	10.3	
Van Buren	76.4	1.9	32.5	29.0	13.0		
Washington	13.7		4.1	7.6	2.0		
White	27.5		10.4	5.3	5.6	6.3	
Woodruff	10.8					10.8	
Yell	267.2	2.3	175.1	80.2	6.3	3.4	
All counties	7923.0	802.4	4372.8	1892.7	585.2	263.5	6 . 4

¹Mississippi included in Crittenden

²Jackson included in Cross.

Table 28—Volume of hardwood growing stock on timber land by forest type, Arkansas, 1988

County	Forest type group						
	Total	Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural				
----- Million cubic feet -----							
Arkansas	282.9			..	56.4	208.3	18.2
Ashley	124.8		19.2	13.1	35.3	57.3	
Baxter	144.2	2.6	.	13.5	128.2	...	
Benton	179.1			0.4	175.1		3.5
Boone	91.3			6.1	85.2	..	
Bradley	240.5		4.9	45.8	56.6	133.3	
Calhoun	168.2		12.1	17.8	23.1	115.2	...
Carroll	111.4		...	3.1	108.4	...	
Chicot	100.9		...			74.7	26.2
Clark	214.7	3.3	15.3	50.5	75.1	70.5	
Clay	118.8				8.7	110.0	
Cleburne	100.9	2.1	8.1	26.7	61.7	2.3	
Cleveland	273.8	0.5	27.1	32.6	109.9	103.8	
Columbia	225.0	1.1	30.0	52.9	60.8	80.1	
Conway	76.5		4.7	14.6	37.6	19.6	
Craighead	45.4	...			8.3	25.8	11.3
Crawford	188.7	1.3		29.4	154.8	3.2	
Crittenden ¹	69.1					34.4	34.7
Cross ²	99.0				58.0	41.0	
Dallas	183.6	8.6	27.0	29.2	71.6	47.1	
Desha	232.7			...		193.4	39.2
Drew	189.2	0.5	17.1	24.1	79.0	68.5	
Faulkner	84.2	0.3		4.2	50.8	28.9	
Franklin	163.5		4.1	13.9	143.4	2.1	
Fulton	75.5	0.8		1.0	73.8		
Garland	118.4	0.6	23.0	9.7	85.1		
Grant	252.0	3.0	12.2	36.5	79.5	120.7	
Greene	57.5			6.1	48.1	3.3	
Hempstead	162.7	6.9	10.3	40.1	51.0	54.3	
Hot Spring	119.9	4.8	7.3	27.2	42.9	37.7	
Howard	90.6	1.0	3.4	26.8	24.2	35.1	
Independence	117.4		3.1	14.5	94.4	5.3	
Izard	96.0		7.3	14.4	69.0	5.3	
Jefferson	181.0	2.7	5.6	7.7	52.4	97.8	14.8
Johnson	225.4	3.8	6.5	20.7	194.5		
Lafayette	127.4	1.4	17.4	27.3	31.2	50.2	
Lawrence	52.1				23.6	28.5	
Lee	163.0			...	34.4	89.5	39.0
Lincoln	111.9	1.8	1.5	7.0	54.2	44.1	3.4
Little River	87.2		12.1	26.6	24.2	22.8	1.5
Logan	87.1		9.4	21.6	40.6	15.4	
Lonoke	67.4		.	...	11.0	56.4	.
Madison	298.1			9.0	289.1		
Marion	103.5		2.0	2.6	98.9	...	
Miller	92.9	1.9	17.2	7.5	42.8	23.5	
Monroe	194.2			2.8	17.3	174.0	
Montgomery	191.7	1.2	41.8	56.0	92.6	...	
Nevada	184.7	1.9	16.8	45.7	57.8	62.5	
Newton	366.4		5.4	15.0	346.0	...	
Ouachita	271.8	4.9	26.5	36.9	48.5	154.9	
Perry	74.0	0.2	13.4	17.2	26.1	17.2	
Phillips	114.0				47.1	66.9	
Pike	66.8	9.6	13.1	33.2	11.0		
Poinsett	74.5			...	17.1	53.0	4.5
Polk	173.9	0.7	15.3	65.2	92.7		
Pope	272.0		13.3	28.5	228.5	1.8	
Prairie	133.9				18.4	115.4	.
Pulaski	103.8	0.9	2.6	25.3	54.8	18.3	1.8
Randolph	94.1		0.4	1.9	62.1	29.6	
St. Francis	68.5				14.5	54.0	
Saline	176.5	3.9	12.0	51.5	72.8	36.3	
Scott	165.5	2.0	26.4	40.2	96.9		

Table 28—Volume of hardwood growing stock on timber land by forest type, Arkansas, 1988 - Continued

		Forest type group						
		Loblolly-shortleaf pine						
County		Total	Planted	Natural	Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood
----- <i>Million cubic feet</i> -----								
Searcy		220.2		2.9	6.3	200.7	10.3	
Sebastian		42.5		...	2.8	23.0	14.3	2.4
Sevier		166.8	1.2	7.5	18.0	60.1	80.0	...
Sharp		94.0		1.1	6.2	80.2	6.4	
Stone		220.3	0.9	3.1	31.9	184.4		
Union		384.4	6.0	53.8	68.6	118.6	137.4	
Van	Buren	197.4		3.4	25.4	168.5		
Washington		172.4			6.0	166.4		
White		185.1		5.9	4.4	75.5	99.3	
Woodruff		77.9	...	...			77.9	
Yell		185.6		18.4	42.0	35.3	90.0	
All	counties	11068.1	82.3	591.1	1315.3	5469.6	3409.1	200.7

¹Mississippi l.. included in Crittenden.

²Jackson included in Cross.

Table 29—Volume of softwood growing stock in the saw-log portion of saw timber trees on timber land by forest type, Arkansas, 1988

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood
		Planted	Natural				
----- Million cubic feet -----							
Arkansas	12.9					12.9	
Ashley	273.1		218.9	39.7	7.3	7.2	
Baxter	15.9	7.2	..	7.2	1.5		
Benton	2.5		0.8		1.6		
Boone	1.1	.			1.1		
Bradley	196.6	13.6	107.4	54.0	11.5	10.2	
Calhoun	162.0	5.2	98.7	36.9	3.8	17.4	
Carroll	5.9			4.1	1.8		
Chicot	0.3					0.2	0.2
Clark	208.6	19.7	99.5	72.4	13.2	3.8	
Clay	0.3					0.3	
Cleburne	50.5	8.6	21.0	14.6	6.3		
Cleveland	212.3	19.6	118.8	50.0	22.8	1.2	
Columbia	220.8	2.6	144.6	64.6	7.1	1.9	
Conway	22.4		7.9	11.3	3.2		
Craighead	7.6				.	4.3	3.2
Crawford	27.6		17.7	7.9	2.0		
Crittenden ¹	3.7				.	3.7	
Cross ²	...		..				
Dallas	205.0	13.0	115.7	55.7	19.1	1.6	
Desha	17.9	..				17.9	
Drew	188.4	30.8	95.1	41.0	13.4	8.2	
Faulkner	4.0	0.9		2.0	1.1		
Franklin	24.2		17.5	6.5	0.3		
Fulton	9.4	9.1		..	0.3		
Garland	110.2	0.9	70.6	14.4	24.3		
Grant	114.8	9.4	54.5	34.8	11.2	4.8	
Greene	7.5			4.4	3.1		
Hempstead	167.5	86.0	35.6	39.8	5.6	0.5	
Hot Spring	67.3	6.4	11.5	30.1	16.5	2.6	
Howard	74.1	10.8	31.5	27.1	1.6	3.0	

Table 29—Volume of softwood growing stock in the saw - by portion of saw timber trees on timber land by forest type, Arkansas, 1988 - Continued

county	Total	Forest type group					
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood
		Planted	Natural				
----- Million cubic feet -----							
Independence	16.3		10.6	3.4	2.3	...	
Izard	29.8		18.5	5.7	5.7	...	
Jefferson	62.0		27.9	10.4	10.7	13.1	
Johnson	69.5	23.5	29.9	13.4	2.7		
Lafayette	130.6	7.2	86.3	20.4	6.6	10.1	
Lawrence	0.6				0.6		
Lee	2.8					2.8	
Lincoln	40.2	2.0	26.3	4.7	5.3	1.9	
Little River	92.3	1.1	54.5	35.3	0.7	0.6	
Logan	77.6		53.8	20.1	3.7		
Lonoke	4.7	2.8	..		...	1.9	
Madison	9.1	...	.	8.9	0.2	...	
Marion	6.6		5.3	0.2	1.1		
Miller	60.8	3.2	41.4	5.5	5.5	5.1	
Monroe	29.3		.	2.7	2.4	24.2	
Montgomery	311.9	11.0	236.1	46.2	18.6	.	
Nevada	185.4	19.3	99.6	43.3	10.7	12.5	
Newton	29.9		15.4	7.4	7.2		
Ouachita	227.7	14.6	141.1	52.0	10.7	9.3	
Perry	114.4		83.0	28.3	2.6	0.5	
Phillips	0.7			...		0.7	
Pike	144.3	31.1	70.4	38.8	4.0		
Poinsett	2.5					0.2	
Polk	122.2		53.4	55.5	13.3	.	
Pope	80.5		54.4	20.6	5.5		
Prairie	7.8			.	0.4	7.4	
Pulaski	51.8	0.6	18.0	23.0	5.1	5.1	
Randolph	1.4		0.3	.	0.6	0.4	
St. Francis	0.4	...	...			0.4	
Saline	107.3	13.4	47.7	36.7	8.7	0.8	
Scott	300.7	20.2	228.3	34.6	17.6	..	
Seamy	15.8		8.1	0.3	7.4	..	
Sebastian	4.4		1.7	.	2.7	..	
Sevier	60.2	0.3	39.4	12.7	7.2	0.5	
Sharp	2.1			1.1	1.0		
Stone	35.6	1.7	7.2	23.0	3.7	.	
Union	357.5	28.9	201.2	91.5	26.5	9.4	
Van Buren	44.2		18.7	19.0	6.6	...	
Washington	6.3		1.9	3.9	0.4	..	
White	16.8		4.7	4.0	2.4	5.6	
Woodruff	9.3					9.3	
Yell	189.0		124.8	58.4	4.1	1.8	
All counties	5476.8	424.9	3077.0	1349.5	394.0	225.7	5.7

¹Mississippi included in Crittenden

²Jackson included in Cross.

Table 30—Volume of hardwood growing stock in the saw-logpotion of sawtimber trees on timberland by forest type, Arkansas, 1988

county	Total	Forest type group					
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood
		Planted	Natural				
----- Million cubic feet -----							
Arkansas	194.6	...	..	...	38.9	146.3	9.4
Ashley	73.1	...	6.8	6.0	22.7	37.7	...
Baxter	78.0	1.8		5.9	70.3	...	...
Benton	93.6	...	...	0.4	92.8	..	0.4
Boone	46.8	...	...	3.3	435	...	...
Bradley	137.8	...	1.2	18.3	29.1	89.2	...
Calhoun	91.6	...	2.0	8.3	10.9	70.3	...
Carroll	57.3	...	...	0.6	56.7	...	...
Chicot	70.8	...	...	...	...	53.8	17.0
Clark	107.1	0.6	5.1	18.3	36.4	46.6	...
Clay	75.7	...		...	4.7	71.0	...
Cleburne	30.3	0.9	2.5	8.7	17.5	0.7	...
Cleveland	156.5		9.7	13.3	59.1	74.4	..
Columbia	112.0	...	9.4	23.5	29.4	49.7	...
Conway	35.8	...	3.3	6.3	15.8	10.4	...
Craighead	26.9	...	...	...	3.9	15.0	8.0
Crawford	92.2	...	...	12.4	79.5	0.4	...
Crittenden ¹	42.0	...	...	...		16.5	25.5
Cross ²	52.8	...	...	...	33.1	19.7	...
Dallas	90.6	4.6	11.1	11.2	34.5	29.1	...
Desha	155.6		...	...	...	131.9	23.7
Drew	98.9	0.2	4.0	5.2	47.9	41.7	.
Faulkner	37.5	0.1	...	0.7	18.8	17.9	...
Franklin	75.9	...	1.4	3.6	70.2	0.7	...
Fulton	28.2	0.2		0.7	27.3	...	...
Garland	35.5		3.0	2.9	29.5	...	...
Grant	133.5	0.6	5.7	11.9	35.5	79.8	...
Greene	35.7	...		3.9	30.5	1.4	...
Hempstead	75.4	1.4	6.6	14.6	24.9	28.0	...
Hot Spring	50.5	...	3.4	15.4	17.0	14.7	.
Howard	33.1	0.4	2.2	9.5	7.9	13.2	..
Independence	62.6	..	0.6	7.3	50.0	4.7	...
Izard	40.7	...	1.6	5.7	29.8	3.5	...
Jefferson	107.9	0.3	2.7	4.4	24.6	62.9	13.1
Johnson	113.3	0.9	2.4	6.4	103.5	.	...
Lafayette	56.9	0.2	5.6	12.6	10.3	28.2	...
Lawrence	29.5	...	...	...	10.8	18.7	...
Lee	118.5		...	...	24.2	58.0	36.3
Lincoln	67.3	1.0	...	2.5	27.2	33.7	2.8
Little River	37.3	...	6.5	11.0	8.8	10.6	0.5
Logan	43.6	...	4.3	8.7	19.9	10.7	...
Lonoke	39.1	...	...	...	6.7	32.4	...
Madison	142.8		...	3.7	139.1	...	..
Marion	49.5	...	0.6	1.1	47.8	...	...
Miller	38.4	...	8.1	4.0	16.7	9.5	...
Monroe	118.9	...	...	1.6	8.4	108.9	...
Montgomery	71.1	...	15.2	24.7	31.2	...	...
Nevada	96.0	0.5	6.7	17.0	29.3	42.4	...
Newton	160.5	...	4.0	5.7	150.7	.	...
Ouachita	141.6	2.5	7.6	14.6	17.9	99.1	...
Perry	30.1	...	3.6	6.0	8.3	12.2	...
Phillips	75.5	...	...	...	35.7	39.8	...
Pike	31.2	4.3	3.2	17.7	5.9	...	...
Poinsett	52.5	.	...	...	12.0	36.4	4.0
Polk	52.2	0.3	4.2	17.5	30.1	...	.
Pope	127.9	.	4.0	10.8	112.0	1.0	...
Prairie	87.8			...	8.3	79.5	...
Pulaski	43.4	0.2	1.6	8.5	24.5	8.3	0.3
Randolph	51.6	...	...	1.2	29.3	21.1	...
St. Francis	41.2	...	...	...	6.2	35.0	...

Table 30—Volume of hardwood growing stock in the saw- by portion of saw timber trees on timber land by forest type, Arkansas, 1988 - Continued

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood
		Planted	Natural				
----- <i>Million cubic feet</i> -----							
Saline	83.6	0.9	5.6	21.3	35.6	20.1	
Scott	54.8	0.9	6.1	12.8	35.0		
Searcy	93.9	...	0.9	0.5	87.2	5.2	...
Sebastian	15.9	...	...	1.3	8.7	4.5	1.3
Sevier	88.2	0.4	2.1	5.9	30.7	49.2	
Sharp	32.7	...	0.6	1.4	26.1	4.7	
Stone	95.0	0.2	0.5	19.0	75.3		
Union	214.3	2.4	19.3	32.6	66.9	93.1	...
Van Buren	70.9		0.3	9.8	60.8	...	.
Washington	69.7		...	3.3	66.3	...	
White	100.3		1.2	1.2	29.9	67.9	...
Woodruff	43.8		..			43.8	
Yell	82.2	..	4.7	12.6	14.8	so.1	...
All counties	5599.3	25.9	201.3	519.3	2554.8	2155.6	142.4

¹Mississippi included in Crittenden.

²Jackson included in Cross.

Table 31- Volume of timber on timber land by county, class of timber and species group, Arkansas, 1988

County	All classes	Growing stock		Rough		Rotten	
		softwood	Hardwood	softwood	Hardwood	Softwood	Hardwood
----- <i>Million cubic feet</i> -----							
Arkansas	321.5	13.9	282.9	1.3	16.9	1.2	5.2
Ashley	509.5	363.0	124.8	2.4	16.5	...	2.8
Baxter	197.6	27.5	144.2	1.4	22.2	...	2.3
Benton	206.2	3.1	179.1	...	23.7		0.4
Boone	110.2	2.2	91.3	0.2	13.7	.	2.8
Bradley	540.4	274.5	240.5	1.1	18.8	...	5.4
Calhoun	434.2	242.3	168.2	3.2	15.5	0.9	4.0
Carroll	152.8	10.9	111.4	0.8	25.0		4.7
Chicot	119.3	0.4	100.9	...	16.3	...	1.7
Clark	537.2	288.5	214.7	6.8	25.5	...	1.8
Clay	127.8	0.4	118.8		7.6	.	0.9
Cleburne	189.3	78.8	100.9	0.9	7.4		1.4
Cleveland	592.3	289.9	273.8	5.5	15.2	2.2	5.8
Columbia	579.4	319.9	225.0	6.1	23.9		4.6
Conway	129.9	40.2	76.5	2.9	9.2		1.1
Craighead	66.3	9.4	45.4	0.5	8.7		2.3
Crawford	254.9	42.2	188.7	2.2	20.6		1.2
Crittenden ¹	79.4	4.8	69.1		3.8	0.5	1.2
Cross ²	113.4		99.0		10.5		3.9
Dallas	499.4	291.1	183.6	1.0	14.5	1.7	7.7
Desha	279.2	20.6	232.7	1.0	20.1	1.4	3.4
Drew	505.1	259.2	189.2	9.8	37.9	0.7	8.3
Faulkner	114.4	12.3	84.2	0.7	15.0		2.2
Franklin	237.7	43.5	163.5	0.8	23.5		6.4
Fulton	115.8	22.0	75.5	1.0	16.7	...	0.5
Garland	306.4	170.1	118.4	0.6	13.7	...	3.5
Grant	501.0	222.4	252.0	3.5	19.8	0.6	2.8
Greene	73.0	9.6	57.5	...	4.5		1.4
Hempstead	404.7	222.7	162.7	1.2	14.5		3.6
Hot Spring	246.6	109.5	119.9	2.7	11.4		3.1
Howard	218.2	115.6	90.6	1.0	9.5	...	1.5

Table 31- Volume of timber on timberland by county, class of timber and species group, Arkansas, 1988 - Continued

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
----- Million cubic feet -----							
Independence	168.4	32.8	117.4	0.9	15.3	...	2.0
Izard	176.1	59.5	96.0	0.9	17.0	...	2.7
Jefferson	292.6	104.1	181.0	0.5	6.5	...	0.4
Johnson	355.4	101.4	225.4	1.6	23.0	...	4.0
Lafayette	331.7	191.5	127.4	0.6	9.0	...	3.2
Lawrence	63.5	1.3	52.1	0.3	7.8	...	2.0
Lee	182.4	3.1	163.0	...	13.1	...	3.2
Lincoln	186.2	60.7	111.9	1.4	11.3	...	0.9
Little River	225.2	119.0	87.2	3.7	12.9	...	2.5
Logan	234.4	121.1	87.1	3.0	22.0	...	1.3
Lonoke	88.7	5.6	67.4	1.3	11.4	1.4	1.6
Madison	353.3	12.5	298.1	0.9	31.3	...	10.5
Marion	141.2	14.9	103.5	0.8	17.9	...	4.1
Miller	205.2	87.6	92.9	2.5	16.2	0.3	5.7
Monroe	249.8	33.2	194.2	...	20.3	...	2.1
Montgomery	675.7	434.0	191.7	13.1	32.0	0.1	4.7
Nevada	462.3	248.1	184.7	2.5	22.8	0.6	3.7
Newton	482.4	49.8	366.4	0.6	48.8	...	16.8
Ouachita	595.5	291.4	271.8	3.7	23.2	...	5.4
Perry	254.6	164.9	74.0	4.3	8.9	...	2.4
Phillips	132.9	0.7	114.0		14.9		3.3
Pike	305.7	209.3	66.8	16.5	12.0	..	1.1
Poinsett	84.8	2.5	74.5	0.5	6.0	...	1.2
Polk	403.8	185.7	173.9	4.4	28.8	...	10.9
Pope	420.4	123.3	272.0	1.0	20.2	...	4.0
Prairie	168.7	8.5	133.9	0.9	17.8	0.3	7.3
Pulaski	190.2	73.7	103.8	0.3	10.6	...	1.8
Randolph	118.1	2.0	94.1	0.8	17.5	...	3.7
St. Francis	81.0	0.5	68.5	...	7.4	...	4.6
Saline	355.0	160.5	176.5	1.0	13.1	...	3.9
Scott	692.2	464.4	165.5	10.7	42.2	0.2	9.3
Searcy	276.9	22.3	220.2	0.6	23.5	...	10.2
Sebastian	71.5	8.9	42.5	0.7	17.5	...	1.9
Sevier	268.1	81.4	166.8	0.3	18.5		1.2
Sharp	132.6	11.3	94.0	0.7	24.0	...	2.6
Stone	304.2	57.0	220.3	1.7	22.0		3.2
Union	905.8	468.3	384.4	6.1	37.2	...	9.8
Van Buren	303.1	76.4	197.4	2.1	19.2		8.1
Washington	229.9	13.7	172.4	1.0	40.9	...	1.9
White	228.5	27.5	185.1	1.6	13.2	...	1.1
Woodruff	101.6	10.8	77.9	...	11.0	0.5	1.4
Yell	489.4	267.2	185.6	3.6	29.1	...	3.9
All counties	20752.3	7923.0	11068.1	155.9	1319.0	12.7	273.6

¹Mississippi included in Crittenden.²Jackson included in Cross.

Table 32- Number of live trees on timberland by detailed species and diameter class, Arkansas, 1988

Species	Diameter class (inches at breast height)												
	All classes	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
----- <i>Thousand trees</i> -----													
Shortleaf pine	876111	385579	183049	96788	80083	54796	37788	22536	9645	3833	1360	655	...
Loblolly pine	1118118	479654	286487	146922	84642	43208	30337	20271	11642	7204	4089	3534	95
Redcedar	334925	211955	75633	26423	13868	4141	1837	748	213	81	12	15	.
Cypress	14469	4061	1585	1749	1432	1285	1149	991	629	501	258	558	273
Total softwoods	2343623	1081249	546753	271882	180025	103430	71144	44546	22130	11619	5715	4762	368
Select white oaks	695708	315680	155796	88357	58489	33699	17411	12168	6191	3552	2217	2034	114
Select red oaks	231160	103124	43794	25209	19458	13488	9733	6007	3872	2512	1609	2159	195
Other white oaks	606949	265629	149396	75670	46612	28677	15713	10489	6319	3462	1866	2812	305
Other red oaks	816264	457106	136932	68605	51347	35107	23690	15906	11208	6688	4138	4886	650
Sweet pecan	9820	6215	659	1132	654	351	171	172	82	62	122	167	34
Water hickory	33724	15440	7745	2882	3017	1477	1159	577	483	391	230	259	62
Other hickories	1034376	629466	294969	103304	48143	23837	12569	6722	2933	1298	555	549	30
Persimmon	138330	114260	16053	4520	1902	941	496	96	37	26	..	...	...
Hard maple	74826	48357	17354	2852	3450	1466	564	367	192	121	57	45	...
Soft maple	487491	383568	72266	18702	6915	2971	1396	754	423	185	175	108	28
Boxelder	30288	16147	6366	2686	2464	942	751	406	354	85	62	23	...
Beech	21847	12689	5108	644	526	544	497	345	290	394	248	477	83
Sweetgum	968294	620836	174415	79311	39909	22829	13093	8338	4624	2535	1219	1050	136
Blackgum	442771	330465	63058	21848	10306	6281	3846	2722	2130	887	521	656	50
Other gums/tupes	19830	4716	6239	2227	2213	1446	905	420	321	335	211	544	251
White ash	116747	82570	19285	6260	3480	2108	1410	802	441	149	74	145	24
Other ashes	147248	92460	28495	10554	6272	3775	1811	1373	1014	593	352	493	57
Sycamore	11266	3026	2902	1372	1001	818	595	434	376	264	130	318	28
Cottonwood	9086	3253	2738	403	190	425	350	413	411	261	201	370	70
Basswood	7729	4687	1515	469	232	302	284	121	42	12	21	44	...
Yellow-poplar	401	...	...	142	...	26	27	68	55	29	27	20	8
Magnolia	508	...	...	175	66	166	55	..	15	23	9	...	...
Sweetbay	23814	14202	7271	975	363	430	261	118	80	38	28	49	..
Willow	20247	6591	3593	1950	3040	1459	629	681	615	646	424	553	68
Black walnut	10860	3998	2573	1514	1186	870	334	119	129	85	19	35	...
Black cherry	77478	53594	15154	4108	2571	1036	412	365	98	65	48	29	...
American elm	100733	65068	16137	7653	5417	3030	1282	995	367	314	227	205	37
Other elms	662650	508188	106129	28944	10911	4797	1852	955	370	188	164	145	8
River birch	4318	1778	...	1078	367	377	315	129	77	64	52	67	13
Hackberry	104443	55138	19369	10355	7281	4548	2236	2035	1410	909	614	512	35
Black locust	12351	5526	1946	2562	1018	709	367	82	94	36	11	...	...
Other locusts	14539	6158	2745	1526	1530	1161	673	369	185	38	78	68	7
Sassafras	121050	105871	11508	2786	512	237	51	43	17	25	...	...	..
Dogwood	562166	479878	74631	6765	751	140	...	...	...	...	...	..	...
Ironwood	114581	85551	20508	4463	2181	1077	461	234	72	24	10	...	..
Other commercial	41178	29098	7242	2860	1233	453	142	88	17	26	11	7	...
Total hardwoods	7775068	4930335	1403891	594861	345008	202001	115539	74914	45343	26320	15733	18828	2296
Noncommercial	984738	779345	140487	41466	13805	5305	2148	1081	619	264	116	102	...
All species	11103429	6790929	2091131	908209	538838	310736	188831	120541	68091	38202	21564	23691	2664



Table 33-Number of growing-stock trees on timberland by detailed species and diameter class, Arkansas, 1988

Table with 12 columns: Species, All classes, 5.0-6.9, 7.0-8.9, 9.0-10.9, 11.0-12.9, 13.0-14.9, 15.0-16.9, 17.0-18.9, 19.0-20.9, 21.0-28.9, 29.0 & larger. Rows include various tree species like Shortleaf pine, Loblolly pine, Redcedar, Cypress, and totals for softwoods, hardwoods, and all species.

Table 34- Volume of growing-stock trees on timberland by detailed species and diameter class, Arkansas, 1988

Species	Diameter class (inches at breast height)										
	All classes	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>----- Million cubic feet -----</i>											
Shortleaf pine	3593.0	226.7	510.9	695.8	753.0	656.6	393.9	207.3	90.2	58.7	.
Loblolly pine	3982.0	314.6	483.2	512.9	583.3	583.4	471.3	392.5	279.6	344.7	16.5
Redcedar	156.2	48.8	51.0	23.2	17.7	9.5	3.6	1.8	0.5	0.3	
Cypress	191.8	2.6	4.9	7.4	15.0	20.2	18.2	22.9	14.5	38.0	48.2
Total softwoods	7923.0	592.6	1050.0	1239.2	1369.1	1269.5	887.0	624.5	384.7	441.6	64.7
Select white oaks	1745.5	198.4	308.5	316.8	244.4	229.6	154.2	110.1	82.2	94.0	7.3
Select red oaks	908.6	57.4	99.4	119.0	129.6	112.6	95.9	80.8	69.3	126.8	18.0
Other white oaks	1243.9	134.7	189.1	209.4	155.1	144.9	117.3	86.3	59.8	120.3	27.1
Other red oaks	2399.5	137.1	265.6	327.6	331.1	317.4	303.7	231.0	112.9	267.0	46.0
Sweet pecan	48.9	3.0	3.2	3.6	2.7	3.6	2.0	2.4	5.0	16.7	6.5
Water hickory	126.4	5.9	13.1	10.9	15.6	10.3	14.1	14.6	9.9	22.1	9.7
Other hickories	984.6	155.8	183.4	180.8	154.5	126.9	75.5	45.5	24.6	33.4	4.1
Persimmon	34.2	6.9	8.4	8.9	6.6	1.3	0.8	1.3	...		
Hard maple	53.3	5.8	14.3	13.0	5.2	5.9	4.1	2.3	1.1	1.6	
Soft maple	110.9	28.4	21.6	18.9	10.5	8.6	6.4	5.1	6.3	3.3	1.8
Boxelder	32.2	4.2	6.4	4.5	4.9	3.3	4.4	1.9	1.7	0.9	
Beech	65.3	1.7	2.1	5.1	4.6	5.0	5.9	12.5	6.3	18.0	4.1
Sweetgum	1494.7	146.6	213.0	255.6	228.3	213.5	158.7	116.3	67.4	75.2	20.0
Blackgum	309.3	31.5	41.5	46.3	45.8	39.7	40.6	23.0	15.2	21.5	4.0
Other gums/tupelos	92.0	4.0	9.7	12.3	5.2	4.1	5.7	6.4	5.1	23.1	16.5
White ash	89.7	9.3	14.8	14.5	14.6	12.8	7.6	4.8	2.2	6.2	2.8
Other ashes	222.3	18.9	33.3	31.4	20.9	24.4	23.6	20.8	14.4	30.2	4.3
Sycamore	87.8	2.9	4.5	8.5	9.0	10.5	9.8	9.9	6.5	23.6	2.5
Cottonwood	107.9	1.1	1.3	5.2	6.7	10.7	14.2	12.6	12.3	32.7	10.9
Basswood	15.6	0.8	0.7	2.2	4.2	2.9	1.1	0.7	0.6	2.5	...
Yellow-poplar	11.4			0.5	0.5	1.6	2.1	1.4	1.4	2.5	1.4
Magnolia	3.9	...	0.5	0.3	0.9	...	0.6	1.2	0.5		
Sweetbay	16.4	2.0	1.9	3.4	3.7	1.7	1.3	0.5	0.8	1.1	.
Willow	141.0	3.8	11.9	7.5	8.3	11.8	16.0	25.5	19.1	34.1	3.1
Black walnut	21.7	1.7	4.3	6.2	2.9	1.3	2.7	2.0	0.4	0.2	...
Black cherry	41.1	7.2	8.5	7.6	4.3	5.9	2.9	1.4	1.9	1.4	...
American elm	120.3	12.7	19.1	22.9	13.8	17.3	7.7	7.3	8.5	9.6	1.5
Other elms	190.2	40.4	44.2	39.4	23.4	13.5	8.5	6.9	5.8	6.9	1.2
River birch	22.9	2.5	2.5	3.5	4.2	2.1	1.1	1.4	2.0	2.6	0.9
Hackberry	246.9	14.8	26.9	34.7	22.3	31.4	34.1	30.4	23.7	26.1	2.6
Black locust	7.2	1.1	1.8	1.8	0.7	0.7	0.3	0.7	.		...
Other locusts	35.2	1.6	5.0	7.5	7.1	5.4	2.3	0.6	1.7	2.9	1.2
Sassafras	5.1	2.2	1.6	0.4	0.2	0.4	...	0.3			
Dogwood	3.0	2.5	0.2	0.3	.	...					...
Holly	23.6	4.3	5.3	5.2	4.7	2.4	1.8	...	.		...
Other commercial	5.6	1.5	2.0	1.1	0.3	0.3		0.4	.		...
Total hardwoods	11068.1	1052.7	1569.6	1736.9	1496.9	1383.8	1127.1	868.3	628.6	1006.5	197.7
All species	18991.1	1645.3	2619.7	2976.1	2865.9	2653.3	2014.1	1492.8	1013.3	1448.1	262.4

Table 35—Volume of growing stock in the saw - log portion of saw timber trees on timber land by detailed species and diameter class, Arkansas, 1988

Species	Diameter class (inches at breast height)								
	All classes	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>----- Million cubic feet -----</i>									
Shortleaf pine	2508.8	582.9	666.2	589.0	352.7	187.3	79.3	51.4	...
Loblolly pine	2755.5	406.4	500.0	513.4	418.4	349.2	249.7	303.9	14.5
Redcedar	47.6	18.6	15.3	8.4	2.9	1.7	0.5	0.2	...
Cypress	164.9	4.9	11.5	17.3	16.0	21.1	13.6	35.4	45.0
Total softwoods	5476.8	1012.9	1193.1	1128.0	790.0	559.3	343.0	391.1	59.5
Select white oaks	757.9	.	184.8	191.8	130.2	93.0	71.3	79.9	6.8
Select red oaks	533.5		98.3	94.9	82.5	70.8	61.2	109.6	16.2
Other white oaks	599.5	...	121.0	122.9	100.6	73.7	51.9	104.8	24.6
Other red oaks	1398.9		247.5	265.5	262.0	200.8	150.1	231.9	41.2
Sweet pecan	34.3		2.2	3.2	1.7	2.0	4.3	14.7	6.2
Water hickory	81.1	...	11.6	8.6	12.4	12.5	9.0	18.8	8.2
Other hickories	381.4	.	119.0	106.2	63.5	39.4	21.2	28.3	3.8
Persimmon	8.2		5.2	1.1	0.7	1.2	...	...	
Hard maple	16.2	...	4.1	4.5	3.6	1.9	0.9	1.2	
Soft maple	33.9	...	7.7	6.7	5.2	4.4	5.6	2.7	1.6
Boxelder	13.1		3.4	2.7	3.4	1.6	1.3	0.8	...
Beech	47.4		3.1	4.0	5.3	10.4	5.3	15.9	3.3
Sweetgum	723.2	.	157.2	175.3	139.0	104.2	60.4	68.0	19.0
Blackgum	161.2		33.8	33.1	36.2	20.8	13.9	19.4	3.9
Other gums/tupelos	56.2		2.9	2.9	4.5	5.1	4.3	20.7	15.7
White ash	42.2	...	11.0	10.7	6.3	4.4	2.0	5.8	2.2
Other ashes	116.7	...	15.2	18.8	20.5	18.0	13.0	27.2	4.1
Sycamore	61.9		6.1	8.4	8.9	9.0	5.7	21.4	2.4
Cottonwood	88.9	..	5.2	8.9	12.2	11.3	11.1	29.9	10.2
Basswood	10.3		3.4	2.4	1.1	0.6	0.5	2.3	...
Yellow-poplar	9.9		0.4	1.3	1.9	1.2	1.3	2.3	1.4
Magnolia	2.6		0.6	.	0.5	1.1	0.4	...	...
Sweetbay	7.2	...	2.5	1.3	1.3	0.4	0.7	0.9	.
Willow	104.4		5.7	9.8	14.4	23.3	17.2	31.3	2.8
Black walnut	7.5	...	2.1	1.1	2.0	1.8	0.3	0.2	
Black cherry	15.0	...	3.4	5.1	2.5	1.3	1.4	1.3	.
American elm	53.5	.	10.9	13.2	6.4	6.4	7.1	8.3	1.2
Others	54.7	...	17.8	11.3	7.4	6.1	4.6	6.6	1.0
River birch	12.0	...	3.3	1.8	1.0	1.2	1.6	2.1	0.9
Hackberry	140.1	...	16.1	25.6	28.1	25.5	20.5	22.5	1.9
Black locust	2.0		0.5	0.6	0.2	0.7	...	...	...
Other locusts	16.4	...	4.8	4.4	1.8	0.5	1.5	2.5	1.1
Sassafras	0.7	...	0.1	0.3	...	0.3		...	
Holly	6.5	...	3.4	1.7	1.4	...	...	...	..
Other commercial	0.9	...	0.2	0.3	...	0.4			...
Total hardwoods	5599.3	...	1114.5	1150.6	968.6	755.2	549.5	881.2	179.7
All species	11076.2	1012.9	2307.6	2278.6	1758.6	1314.5	892.5	1272.3	239.2

**Table 36—Volume of timber on timber land by species and class of timber,
Arkansas, 1988**

Species	All live	Growing stock	Rough	Rotten
<i>----- Million cubic feet -----</i>				
Shortleaf pine	3656.8	3593.0	63.2	0.6
Loblolly pine	4042.0	3982.0	59.2	0.8
Redcedar	179.0	156.2	22.6	0.1
Cypress	213.9	191.8	10.9	11.2
Total softwoods	8091.7	7923.0	155.9	12.7
Select white oaks	1911.5	1745.5	141.6	24.4
Select red oaks	1004.6	908.6	69.4	26.6
Other white oaks	1448.2	1243.9	168.9	35.4
Other red oaks	2610.7	2399.5	158.6	52.5
Sweet pecan	50.8	48.9	1.9	..
Water hickory	140.5	126.4	11.7	2.4
Other hickories	1112.1	984.6	109.4	18.1
Persimmon	41.2	34.2	7.1	
Hard maple	63.3	53.3	8.8	1.2
Soft maple	160.3	110.9	42.5	6.9
Boxelder	50.0	32.2	15.4	2.4
Beech	91.3	65.3	11.0	15.1
Sweetgum	1594.8	1494.7	79.7	20.4
Blackgum	382.7	309.3	46.1	27.4
Other gums/tupelos	115.9	92.0	13.8	10.1
White ash	109.7	89.7	17.4	2.6
Other ashes	249.1	222.3	23.5	3.3
Sycamore	94.5	87.8	5.0	1.7
Cottonwood	110.9	107.9	2.1	0.9
Basswood	18.5	15.6	1.8	1.1
Yellow-poplar	12.1	11.4	0.7	
Magnolia	4.8	3.9	0.8	0.2
Sweetbay	21.5	16.4	2.8	2.3
Willow	156.4	141.0	13.1	2.2
Black walnut	27.1	21.7	4.8	0.6
Black cherry	53.3	41.1	11.3	0.9
American elm	146.9	120.3	23.7	2.8
Other elms	229.8	190.2	37.1	2.5
River birch	27.2	22.9	3.9	0.4
Blackberry	295.2	246.9	44.0	4.4
Black locust	18.2	7.2	8.4	2.6
Other locusts	46.5	35.2	10.2	1.1
Sassafras	8.9	5.1	3.3	0.4
Dogwood	10.2	3.0	7.2	...
Holly	36.7	23.6	12.1	0.9
Other commercial	13.8	5.6	8.1	...
Total hardwoods	12469.0	11068.1	1127.3	273.6
Noncommercial	191.6		191.6	
All species	20752.3	18991.1	1474.9	286.3

FIGURES

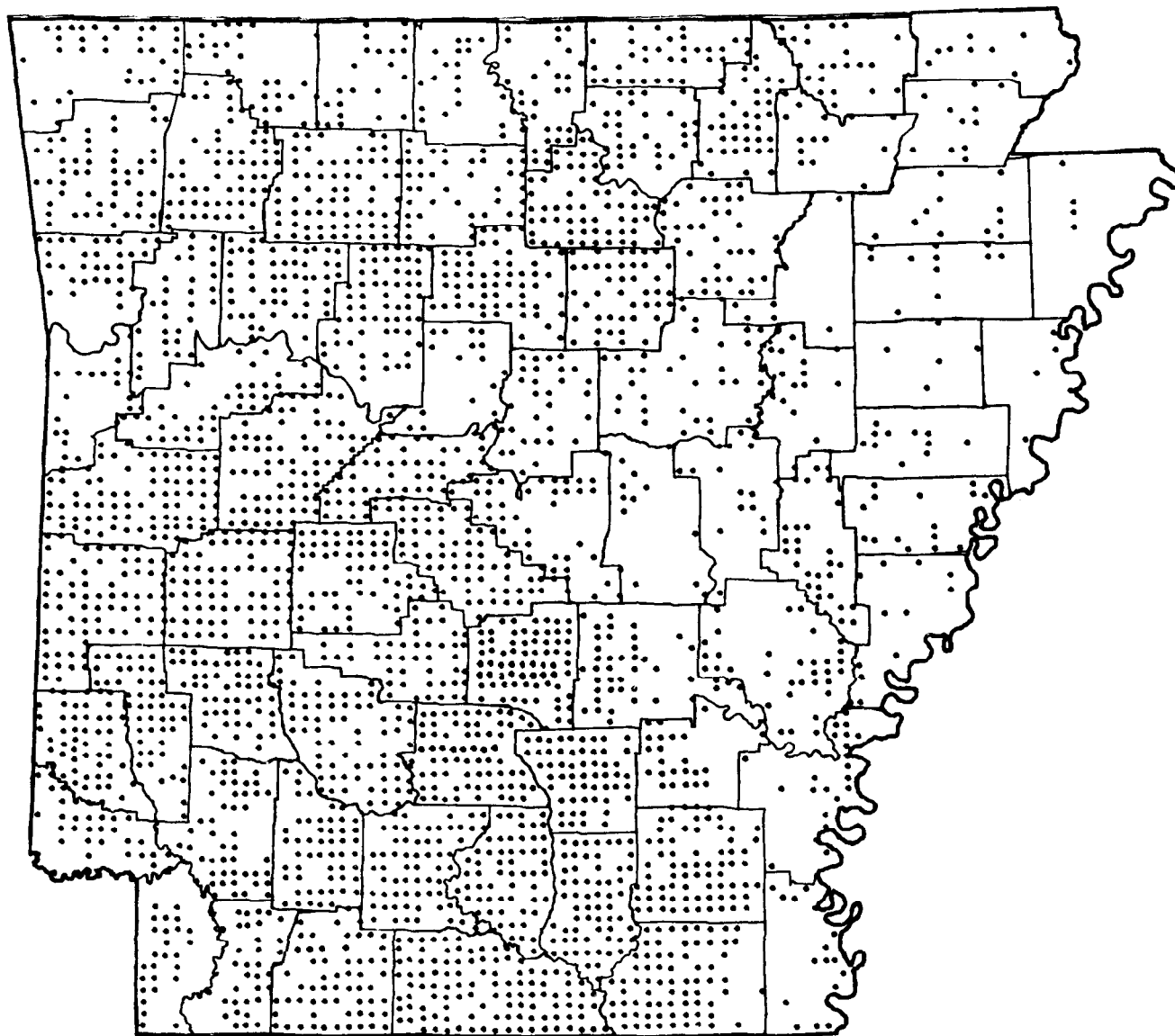


Figure 1.-Location of Forest Inventory and Analysis points on timber land, Arkansas, 1988.

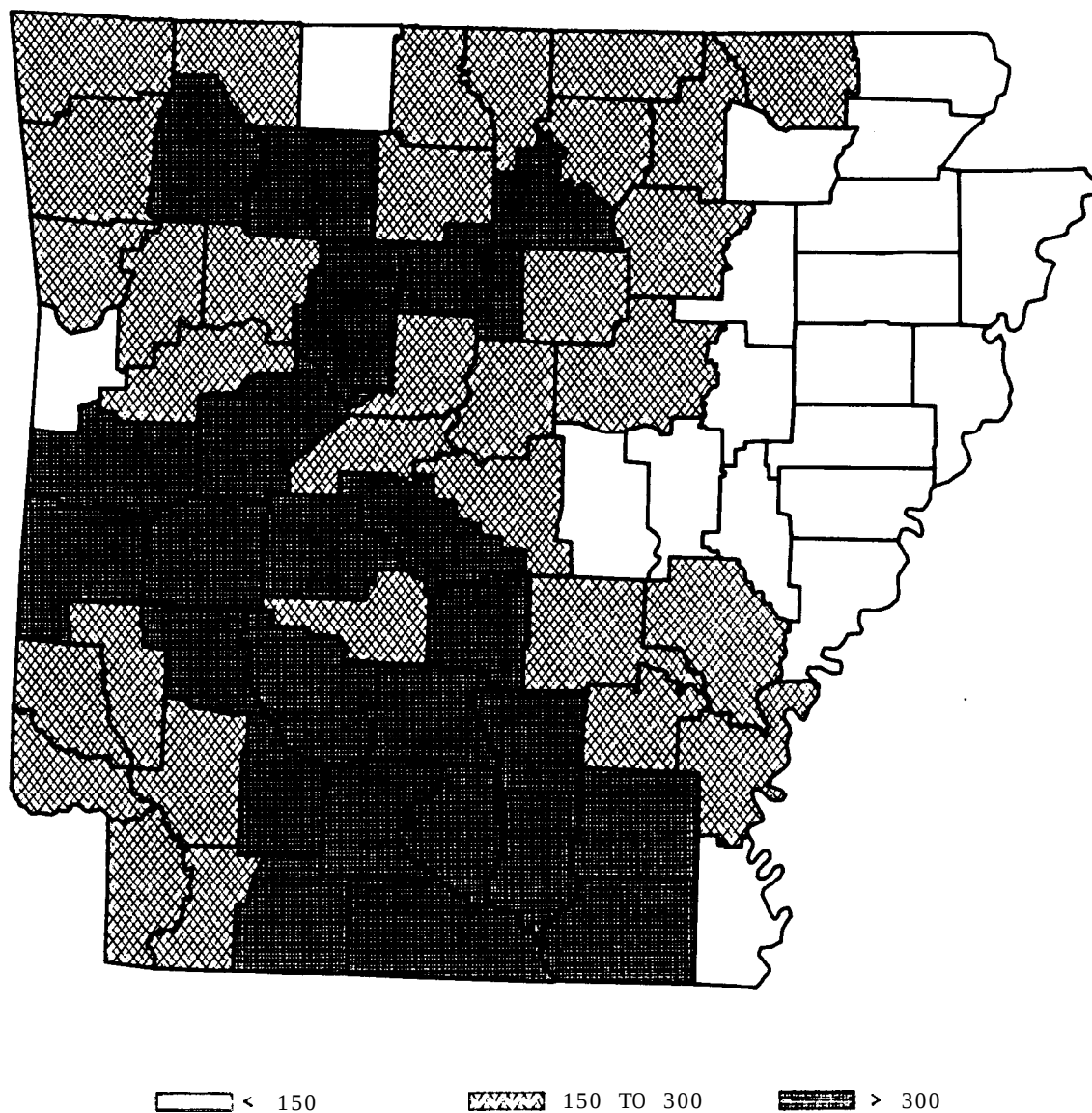


Figure 2.—*Total timber land by county in thousand acres, Arkansas, 1988.*

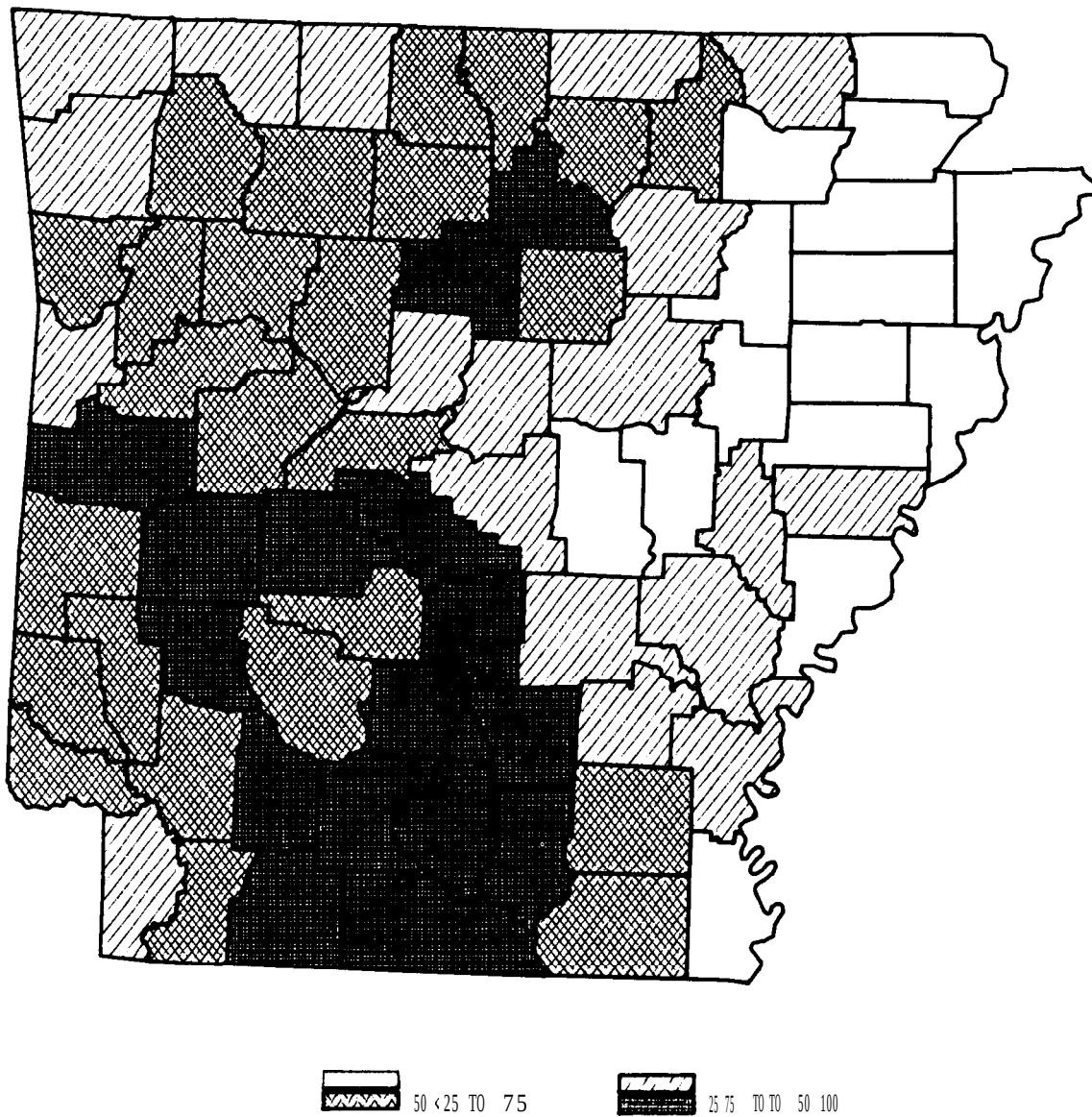


Figure 3.- *Percent timberland of total land area by county, Arkansas, 1988.*

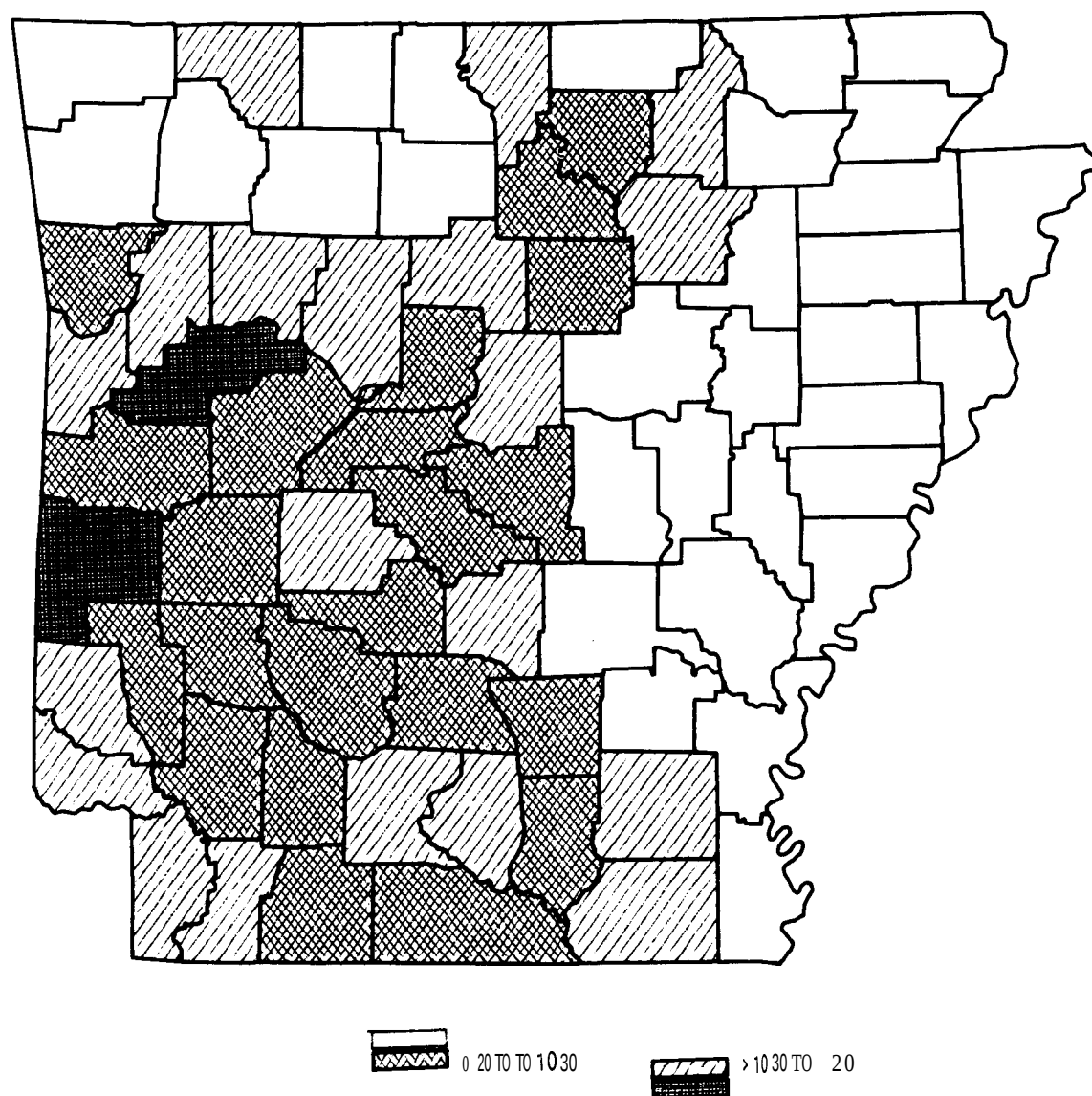


Figure 5.—*Percent timber land by county, Oak/Pine forest type, Arkansas, 1988.*

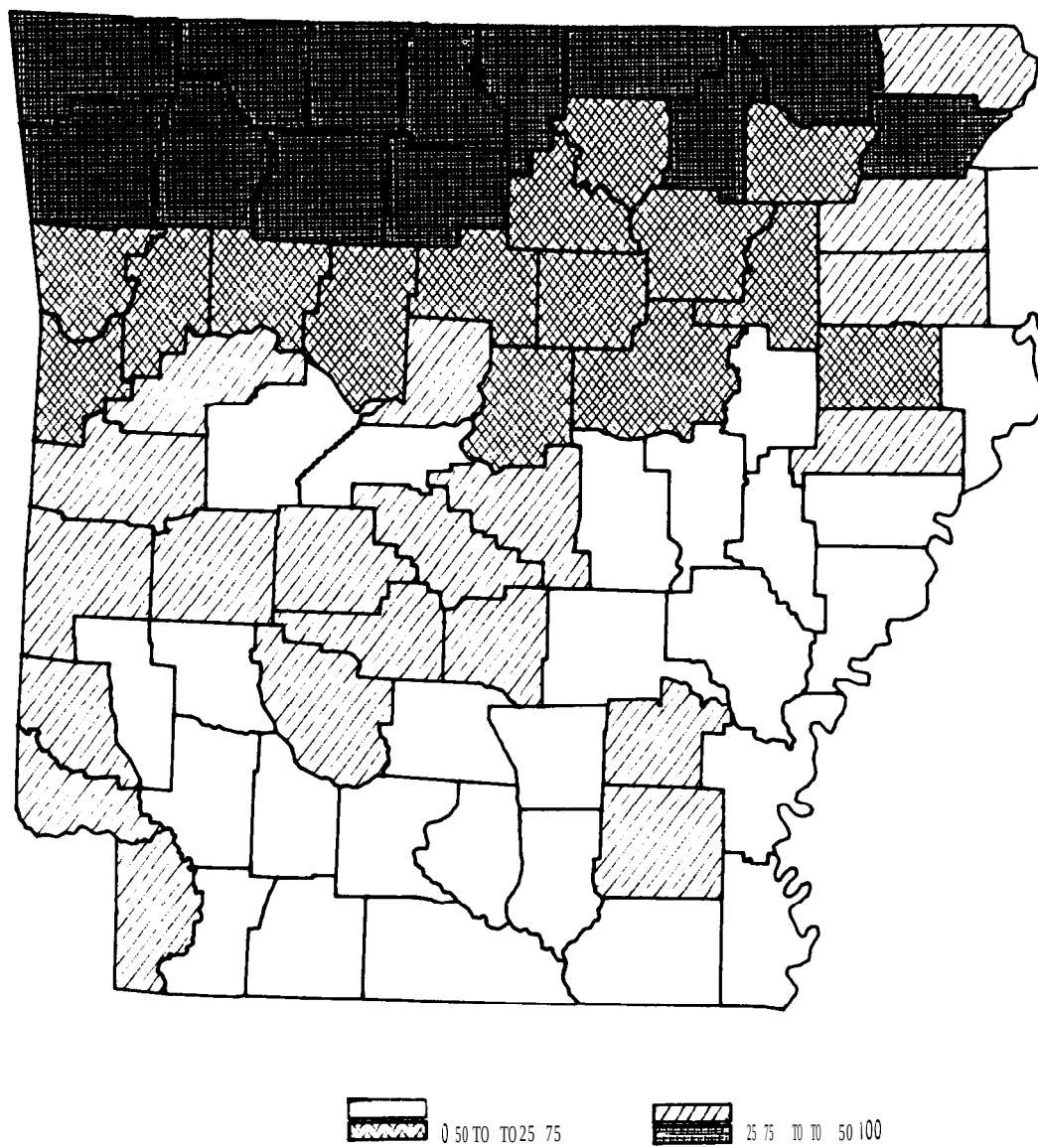


Figure 6.-Percent timber land by county, Oak/Hickory forest type, Arkansas, 1988.

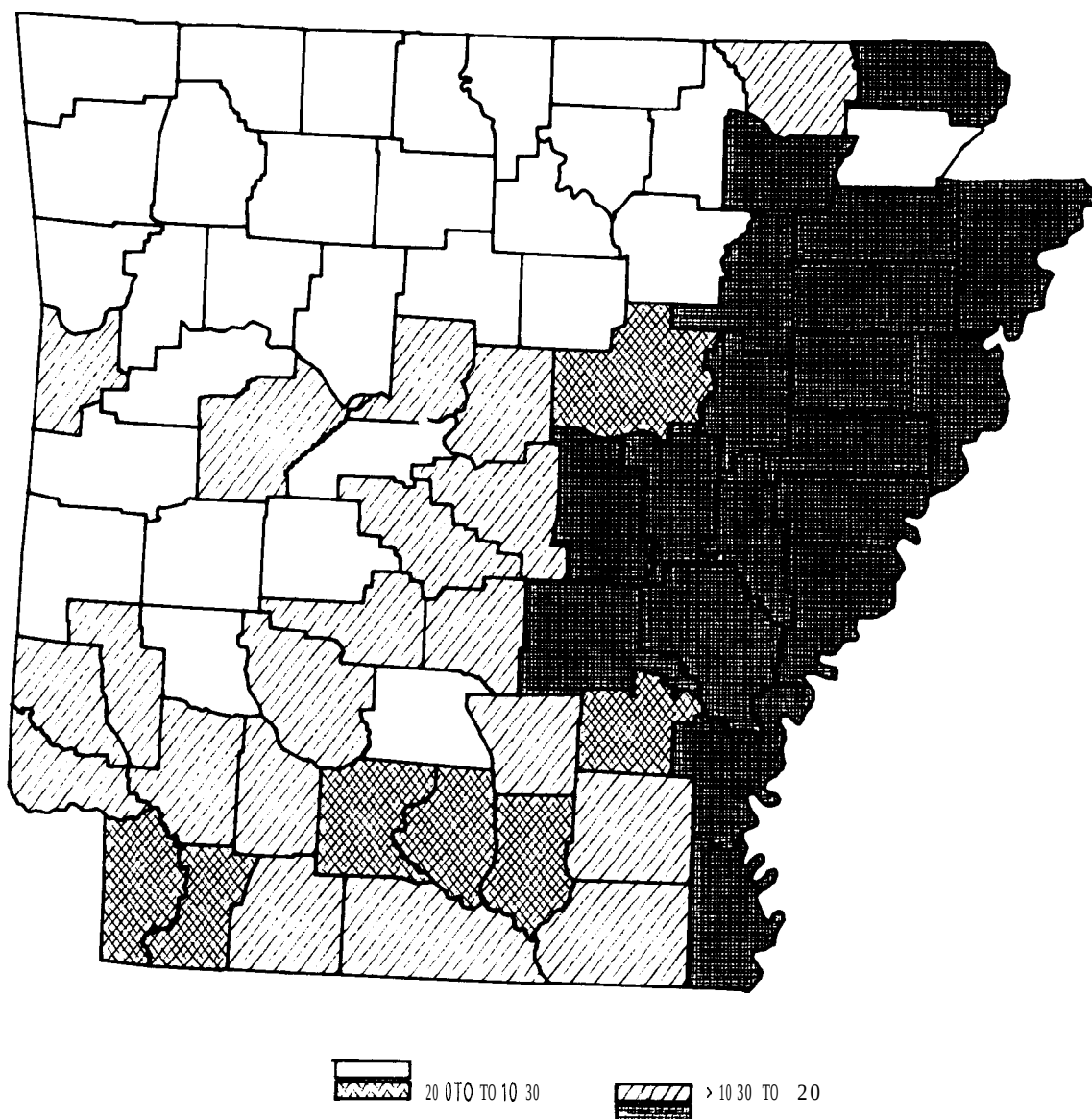


Figure 7.-Percent timberland by county, Oak/Gum/Cypress forest type, Arkansas, **1988**.

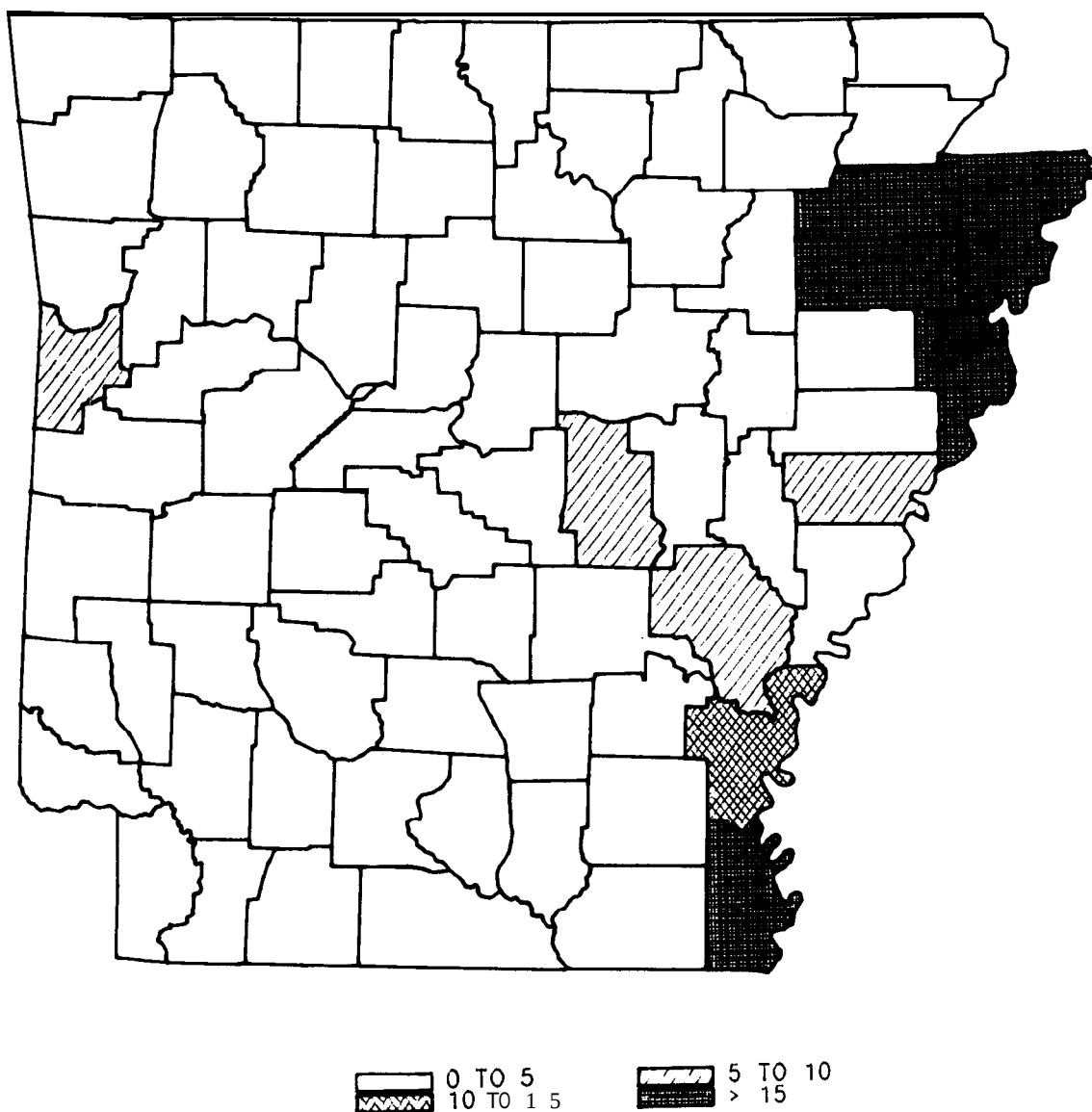


Figure 8 -- Percent timberland by county, Elm/Ash/Cottonwood forest type, Arkansas, 1988.

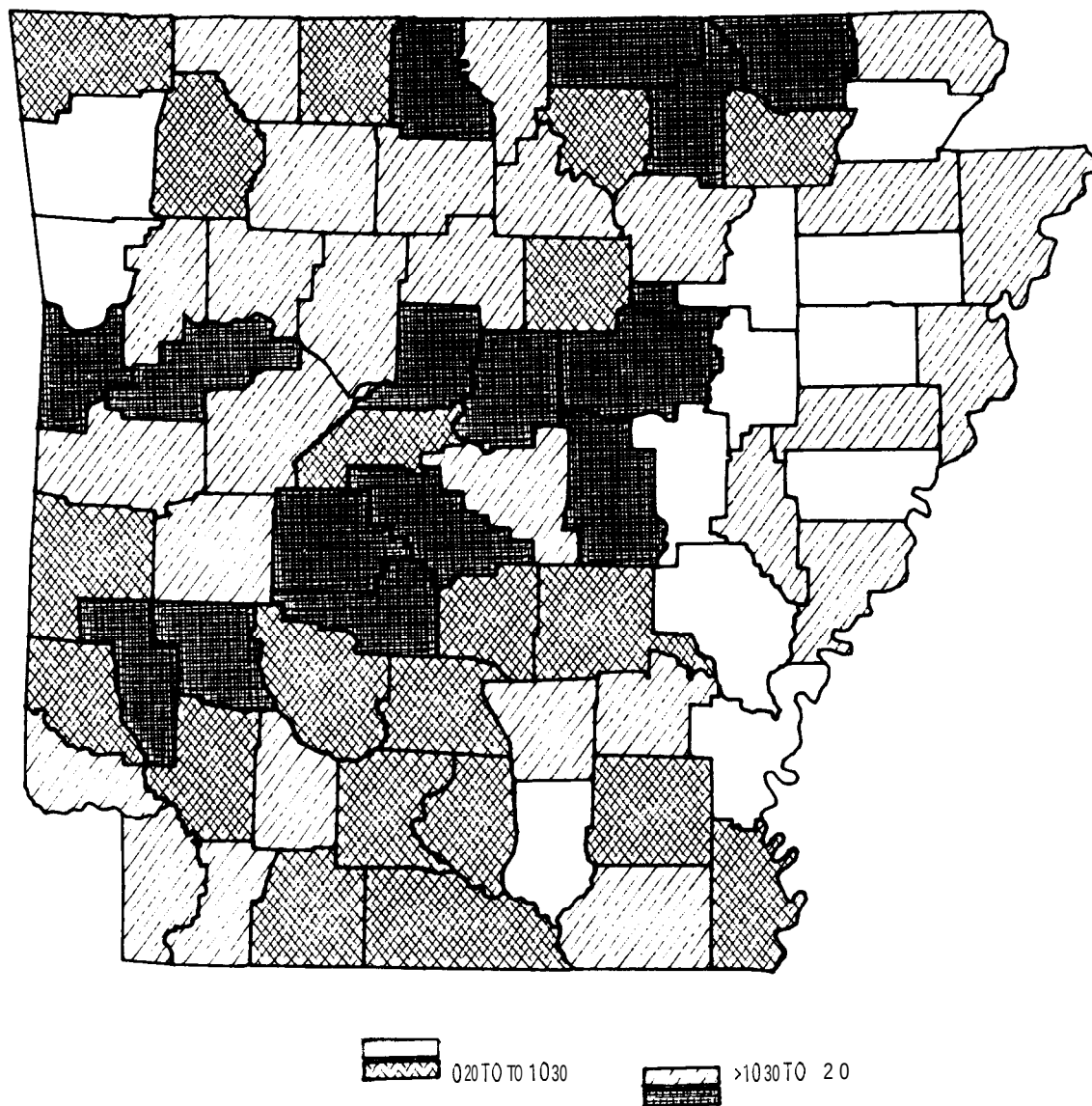


Figure 9. Percent timber land by county, sapling and seedling stand-size class, Arkansas, 1988.

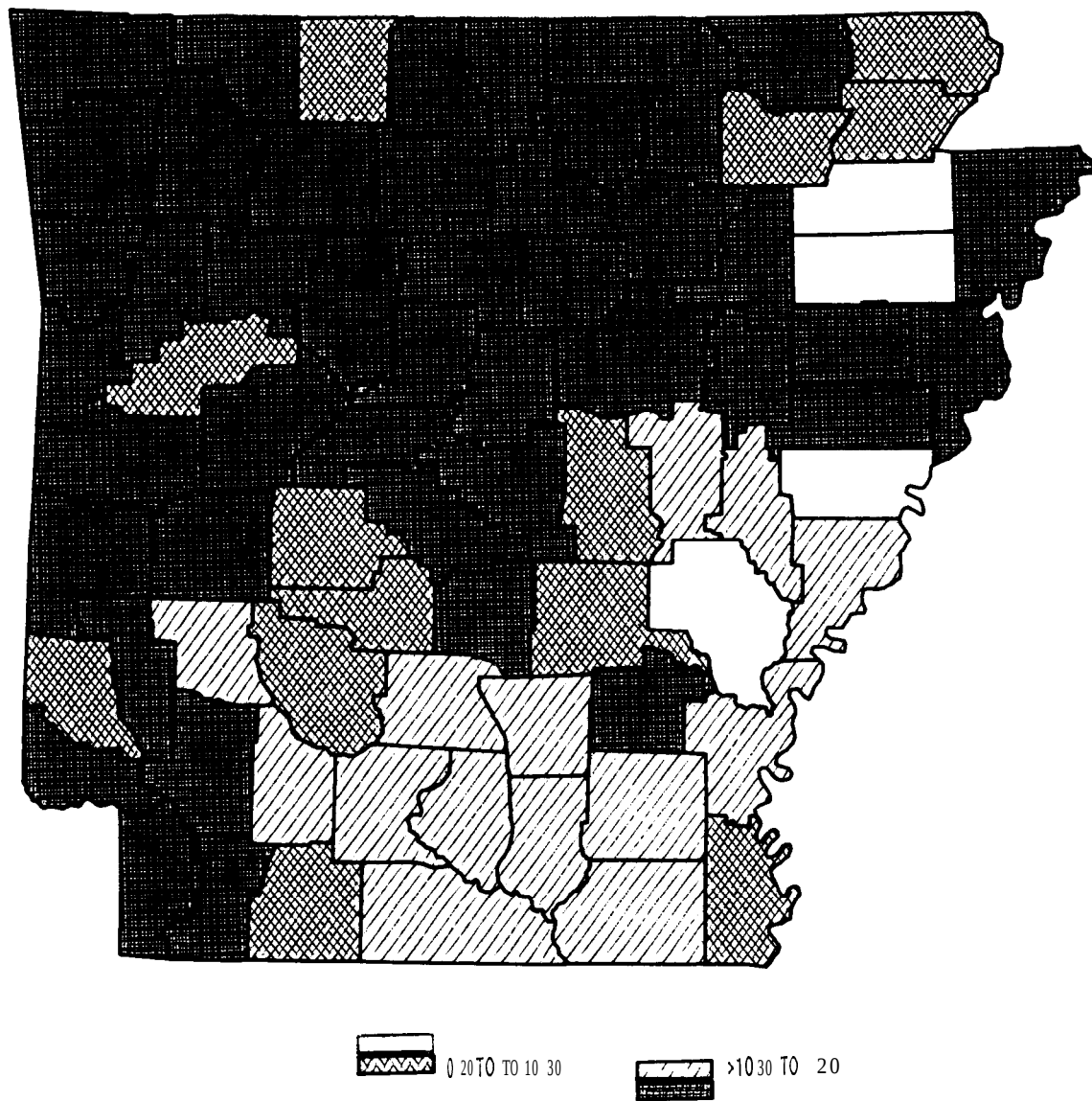


Figure 10.-Percent timber land by county, post timber stand-size class, Arkansas, 1988.

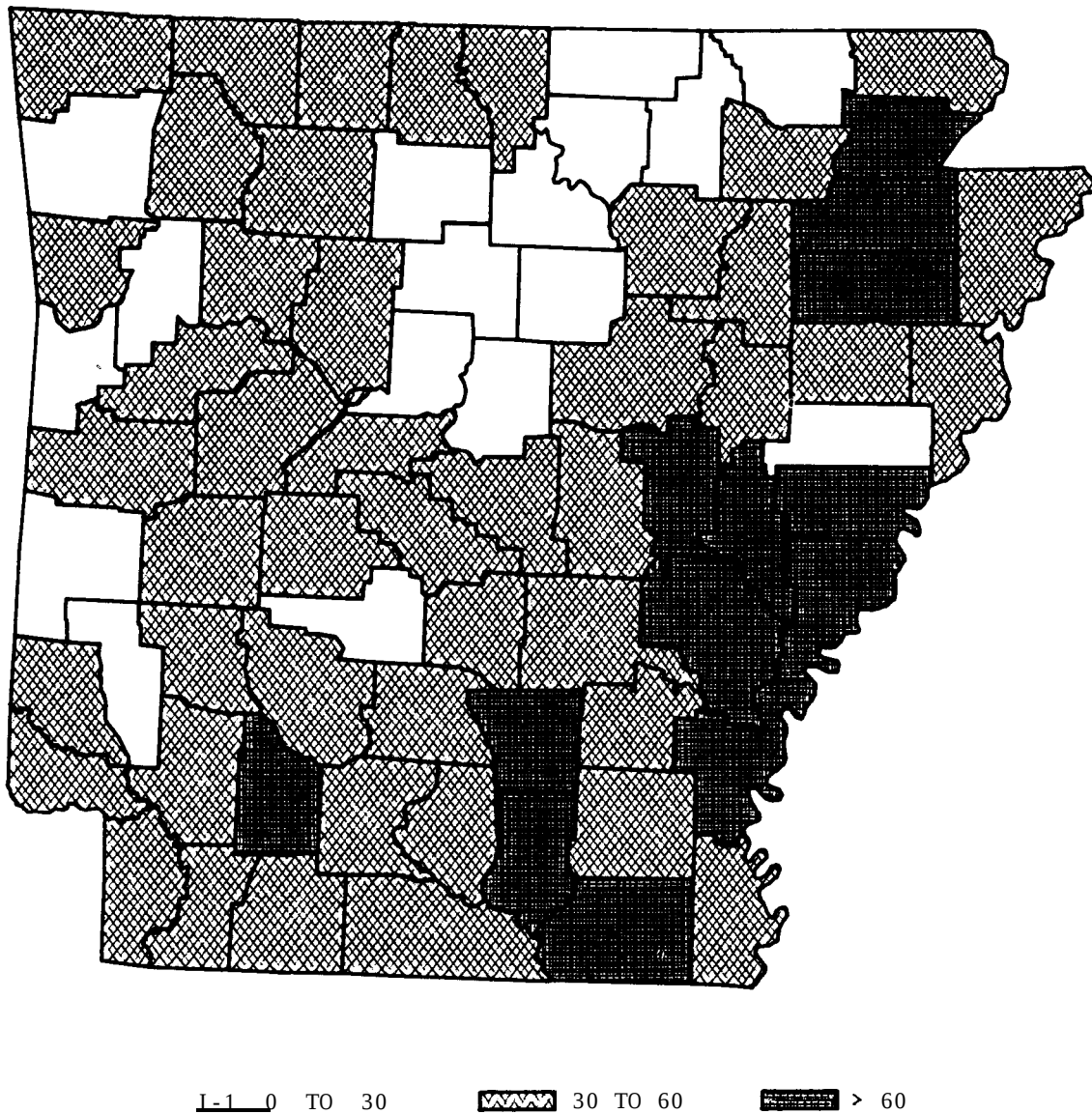


Figure 11.-Percent *timber land* by county, *saw timber stand-size class*,
Arkansas, 1988.

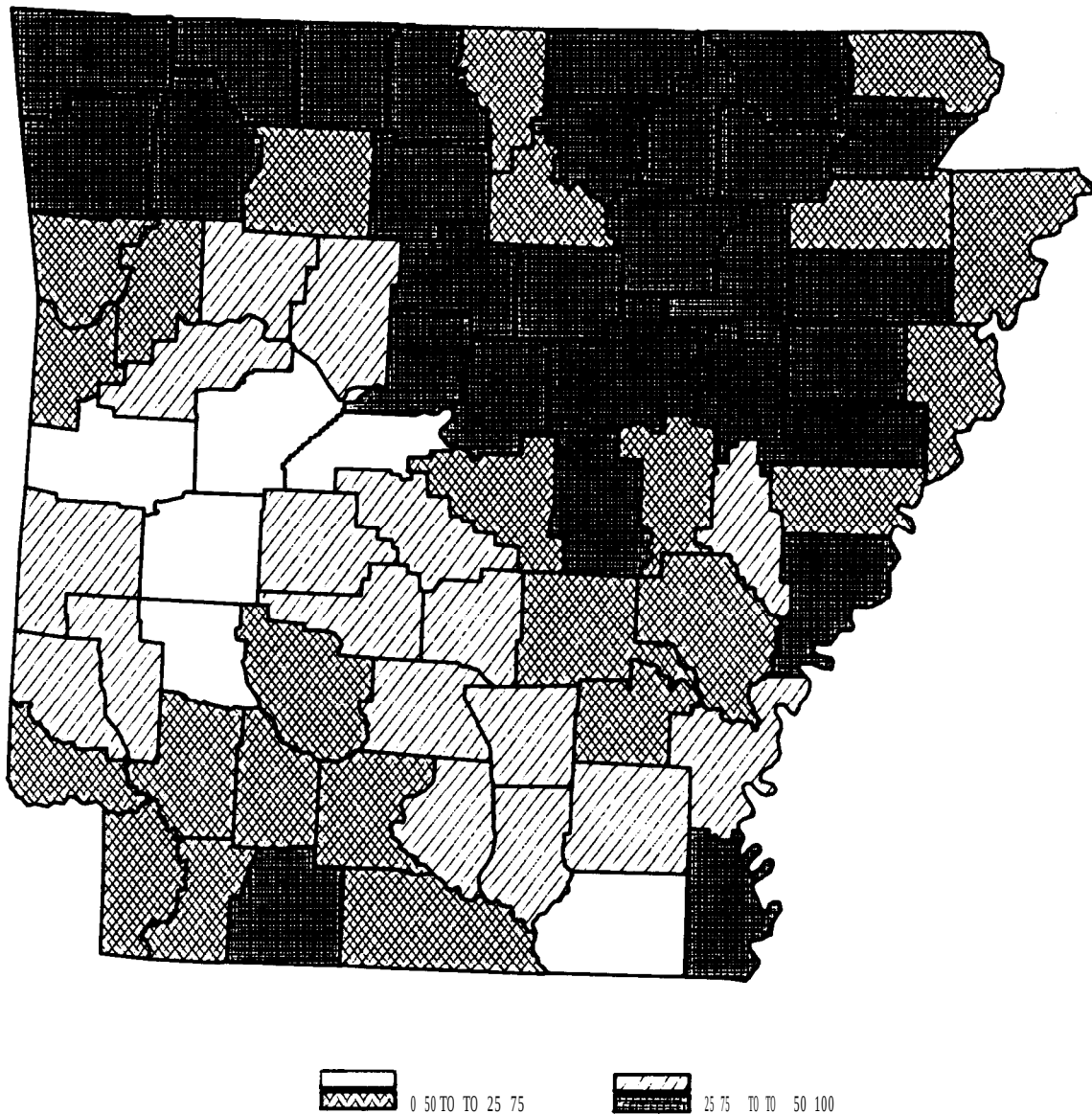


Figure 12.—*Percent timber land by county, nonindustrial private ownership class, Arkansas, 1988.*

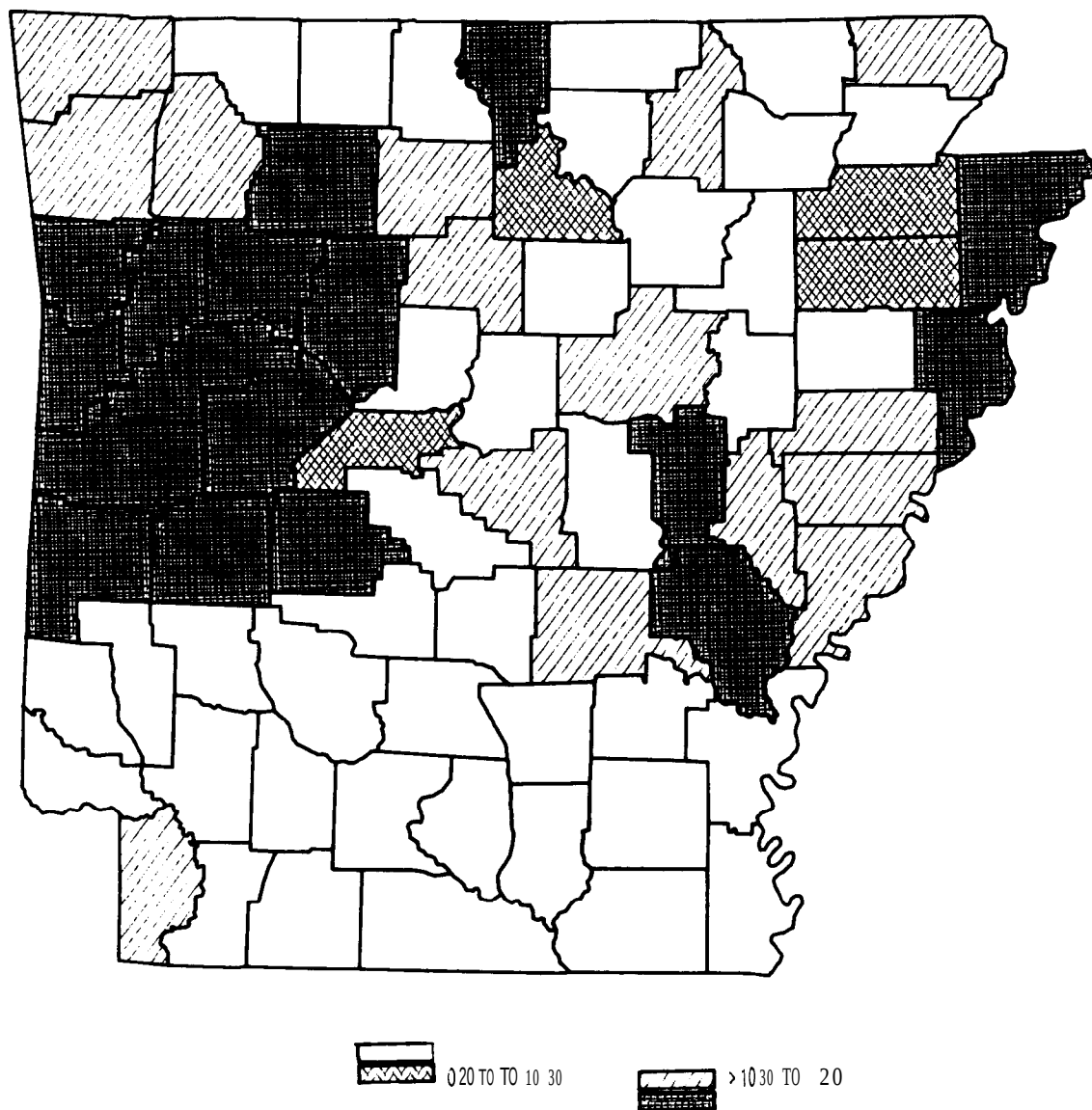


Figure 13.-Percent *timberland* by county, *public ownership class*,
Arkansas, 1988.

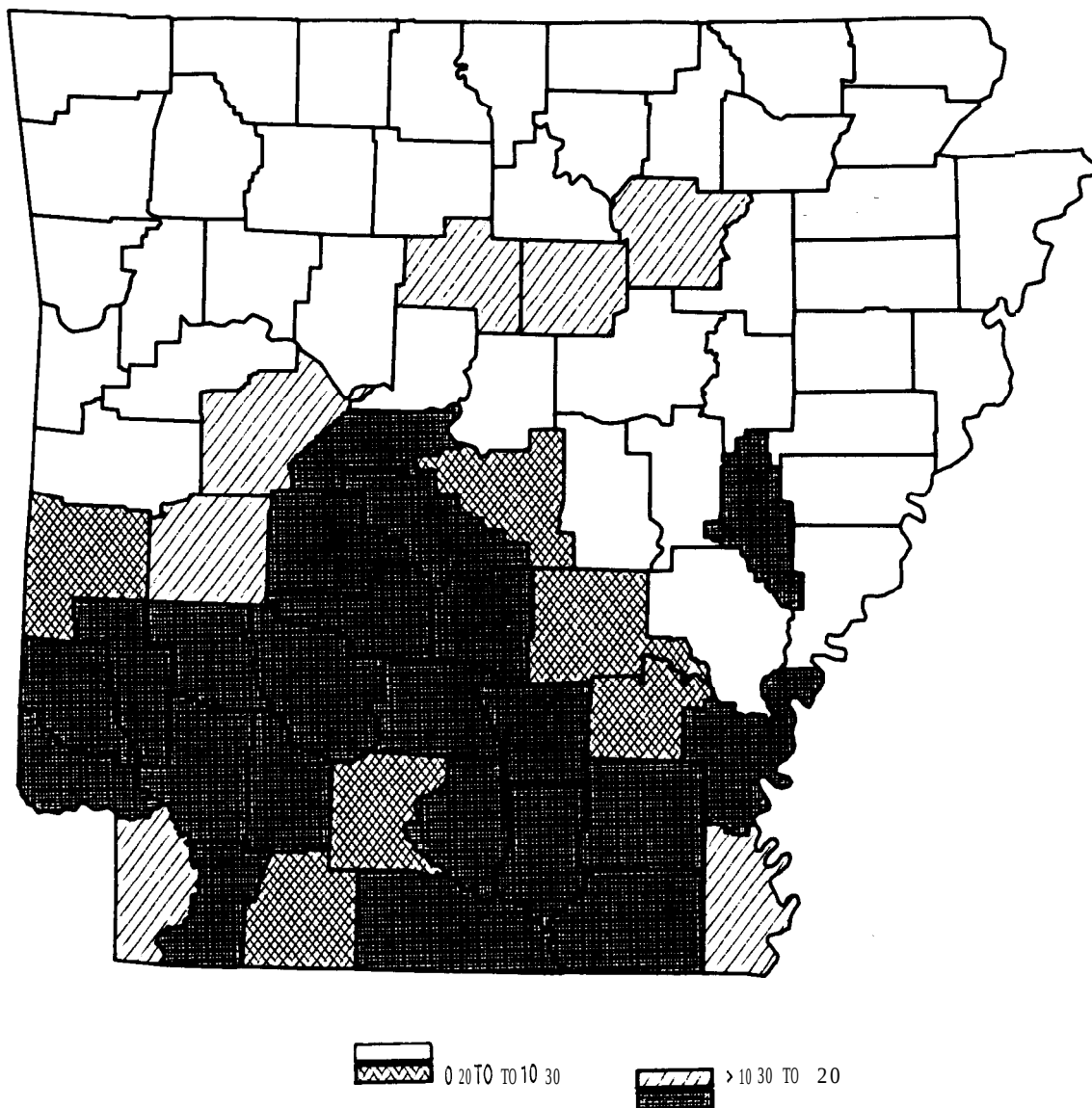


Figure 14.-Percent *timberland by county, forest industry ownership class, Arkansas, 1988.*

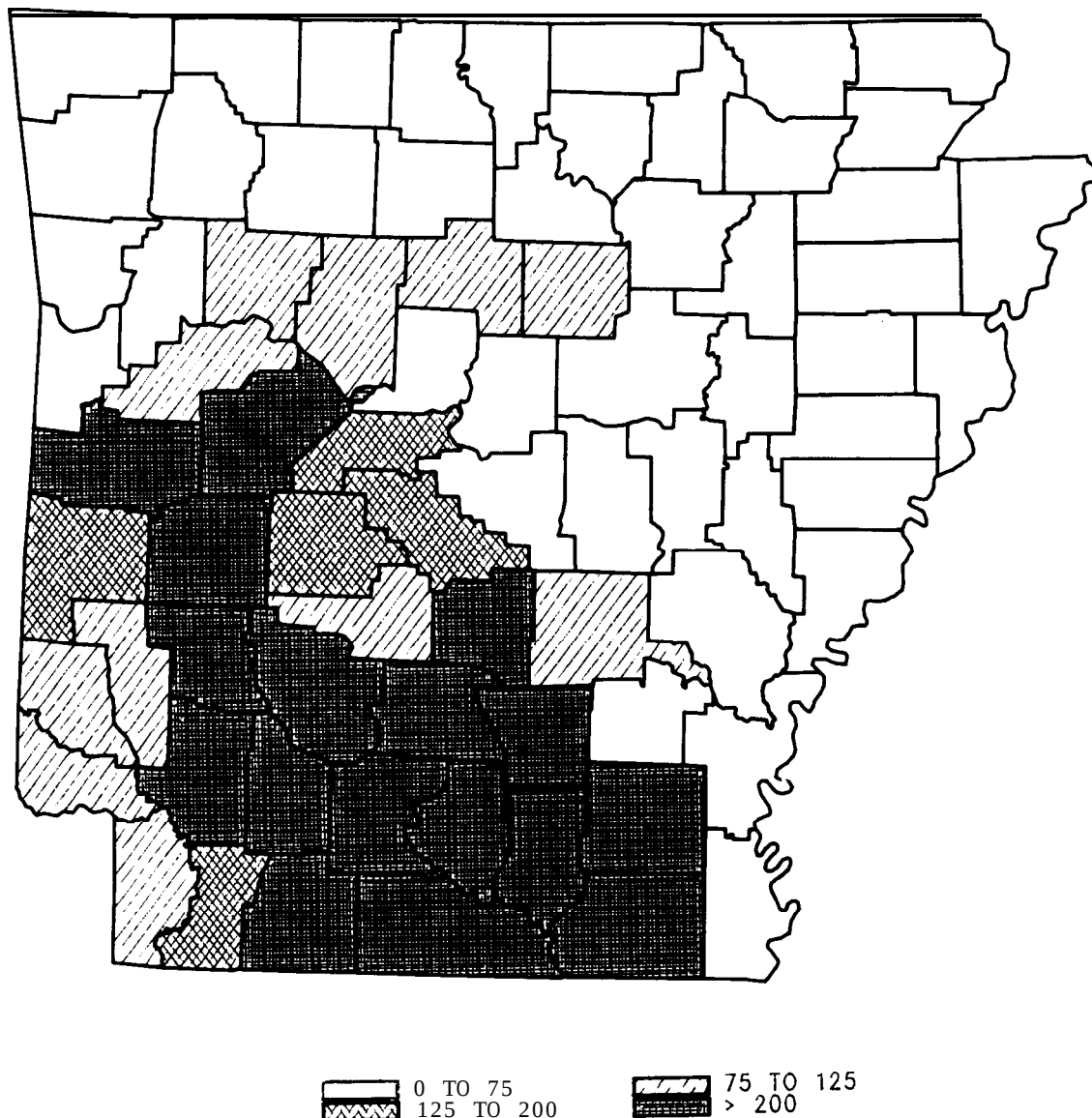


Figure 15.-Softwood volume of growing stock by county, in million cubic feet, Arkansas, 1988.

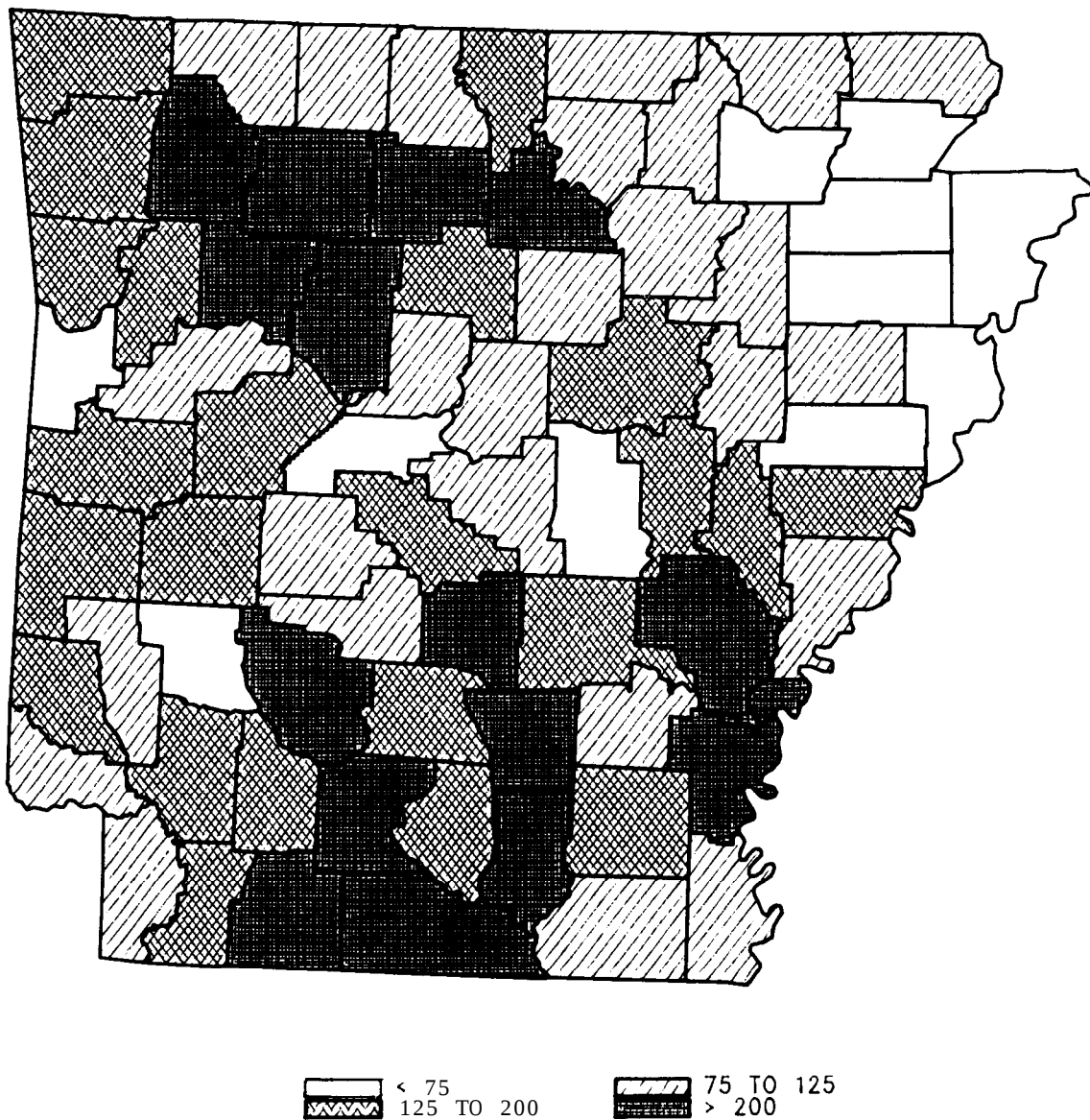


Figure 16.-Hardwood volume of growing stock by county, in million cubic feet, Arkansas, 1988.

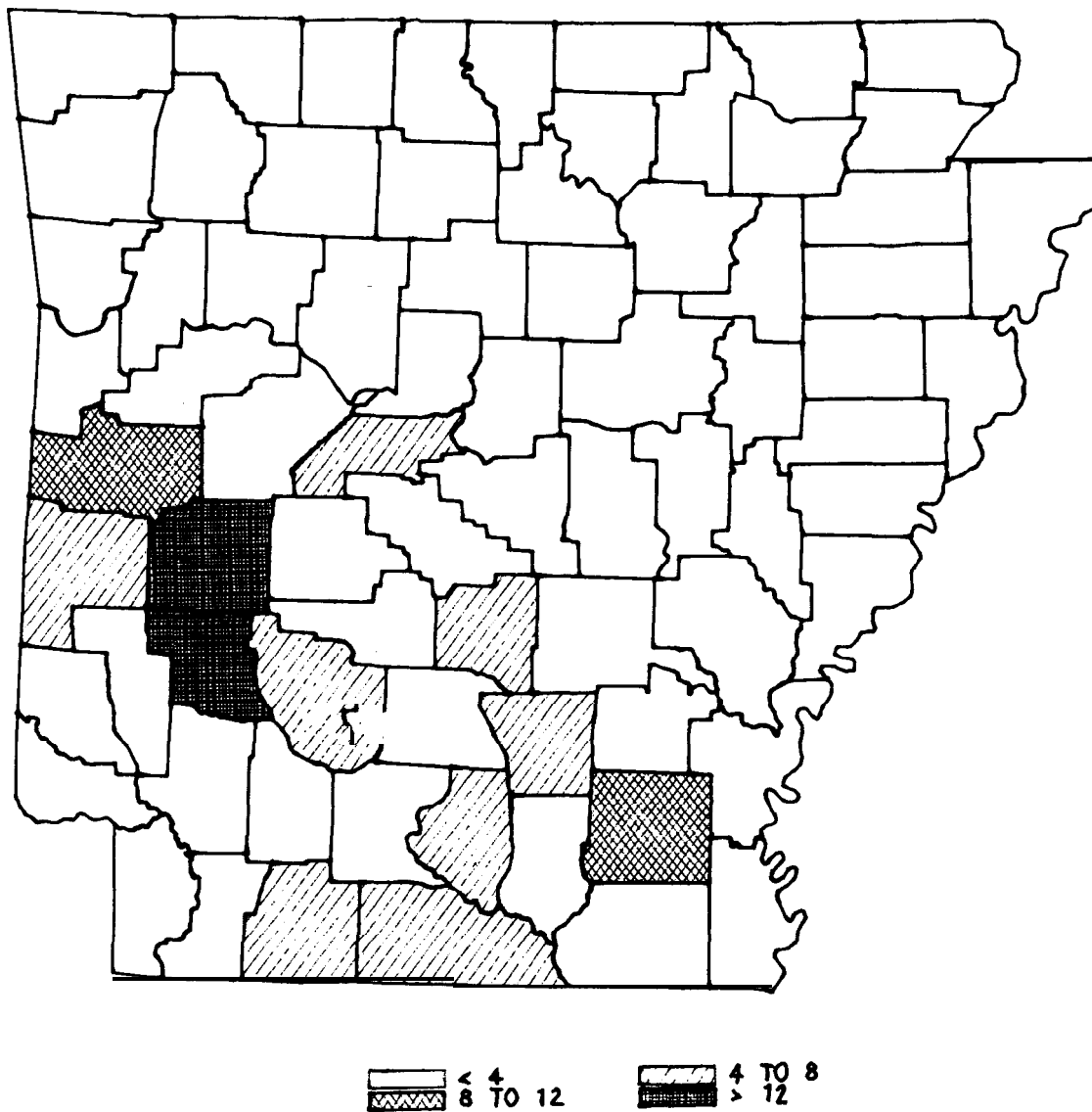


Figure 17.-Softwood volume of rough and rotten trees by county, in million cubic feet, Arkansas, 1988.

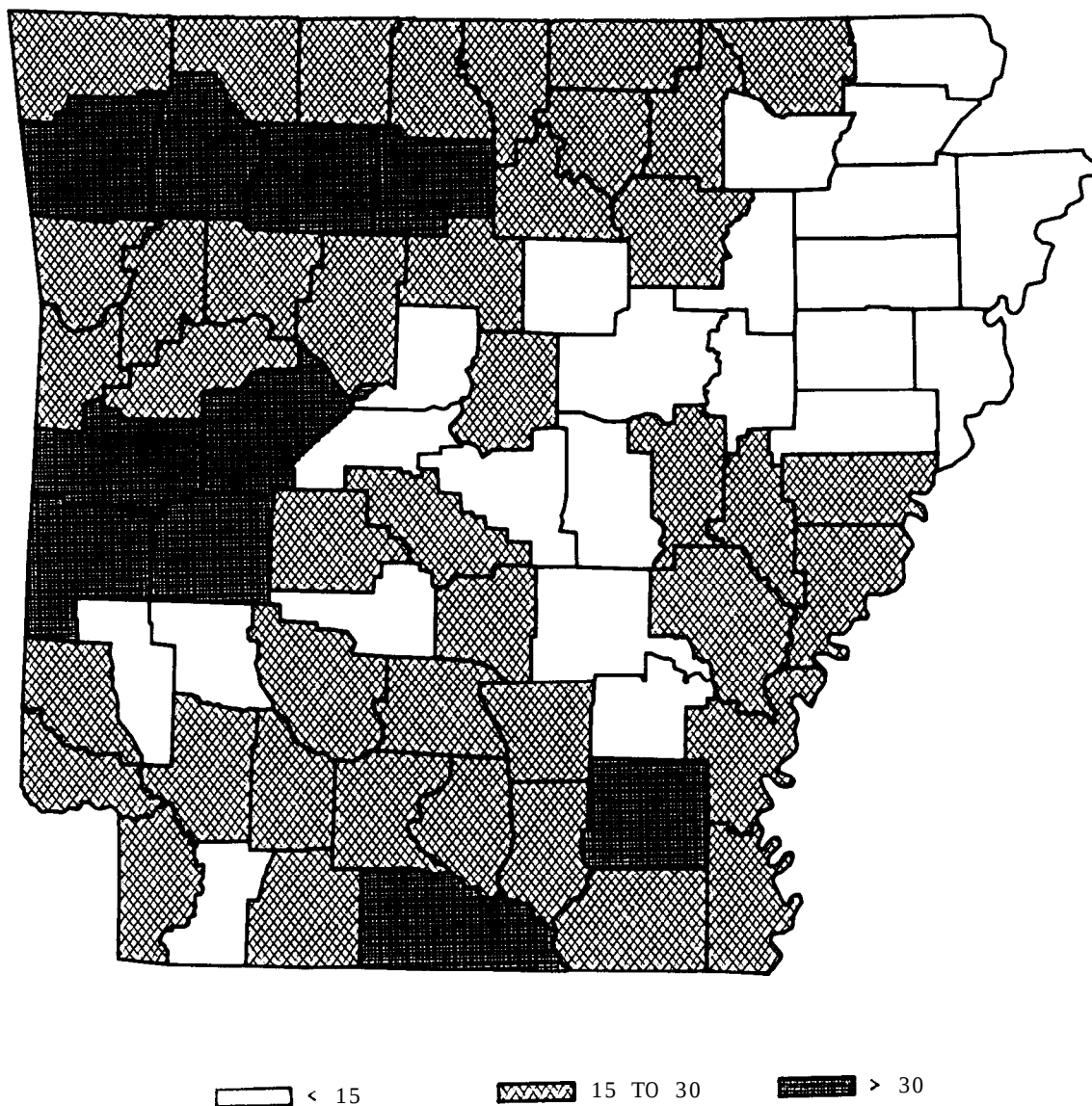


Figure 18.—*Hardwood* volume of rough and rotten trees by county, in million cubic feet, Arkansas, 1988.

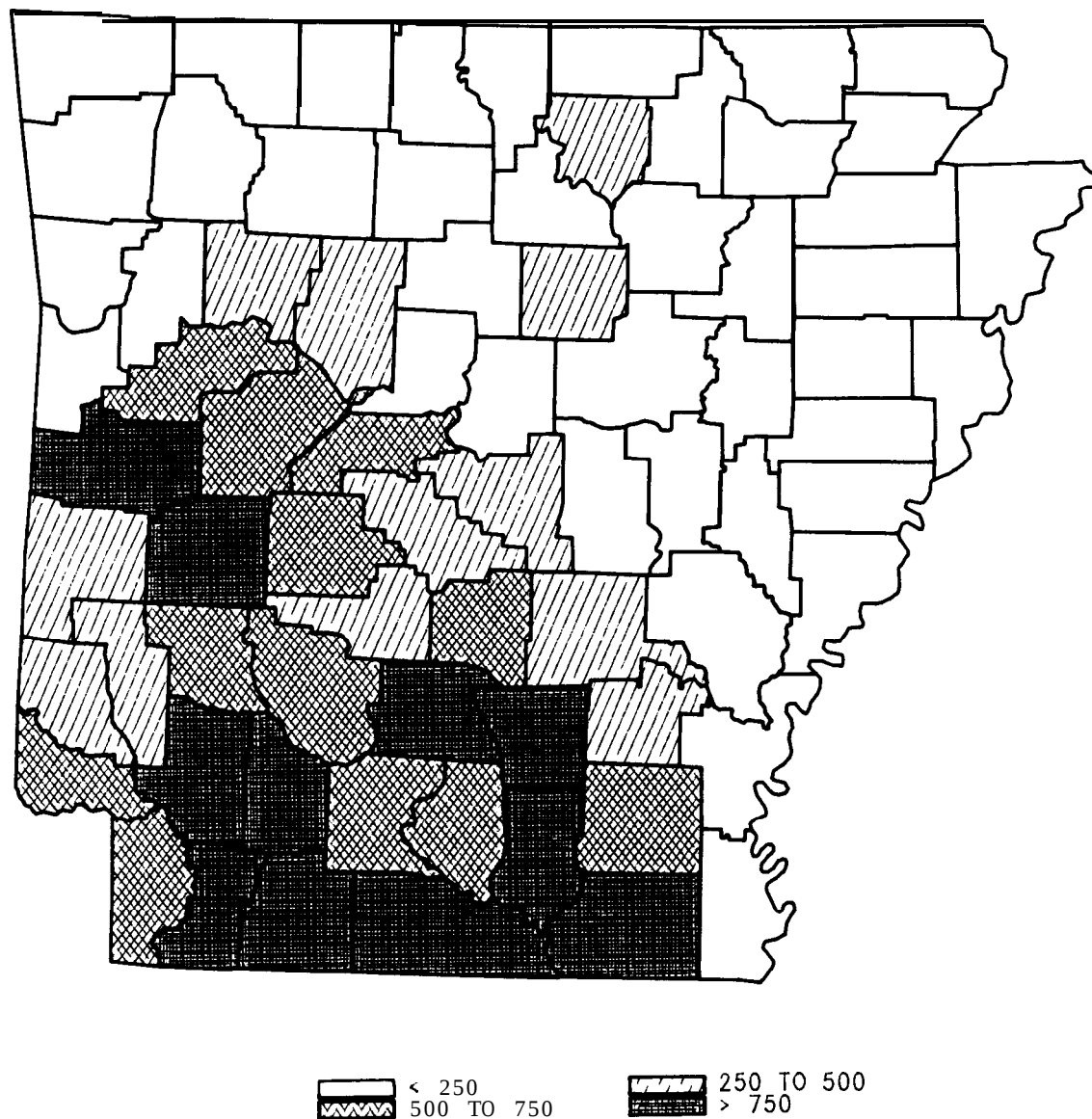


Figure 19.-Average softwood volume of growing stock on timber land by county, in cubic feet per acre, Arkansas, 1988.

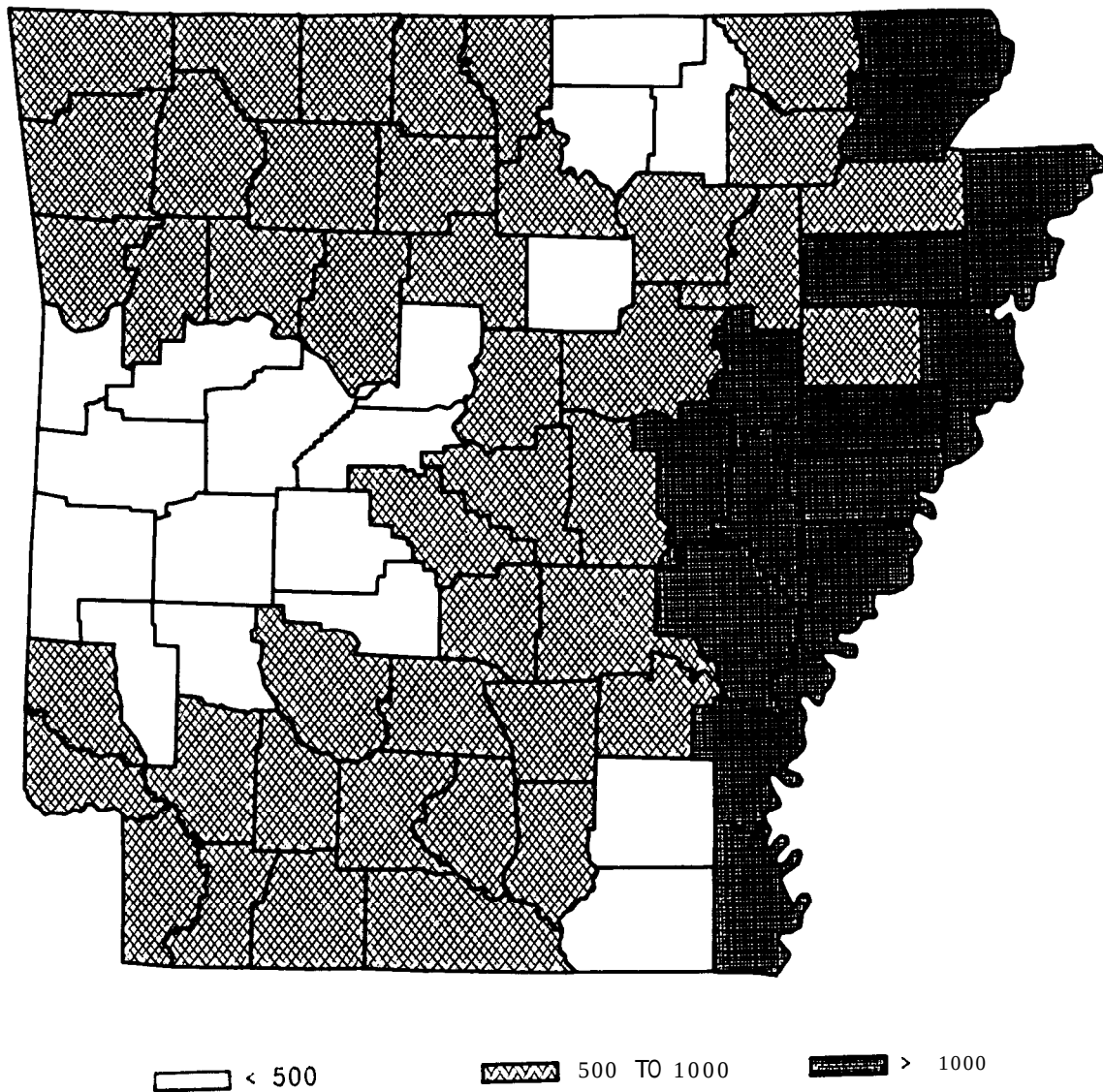


Figure 20.-Average hardwood volume of growing stock on timber land by county, in cubic feet per acre, Arkansas, 1988.

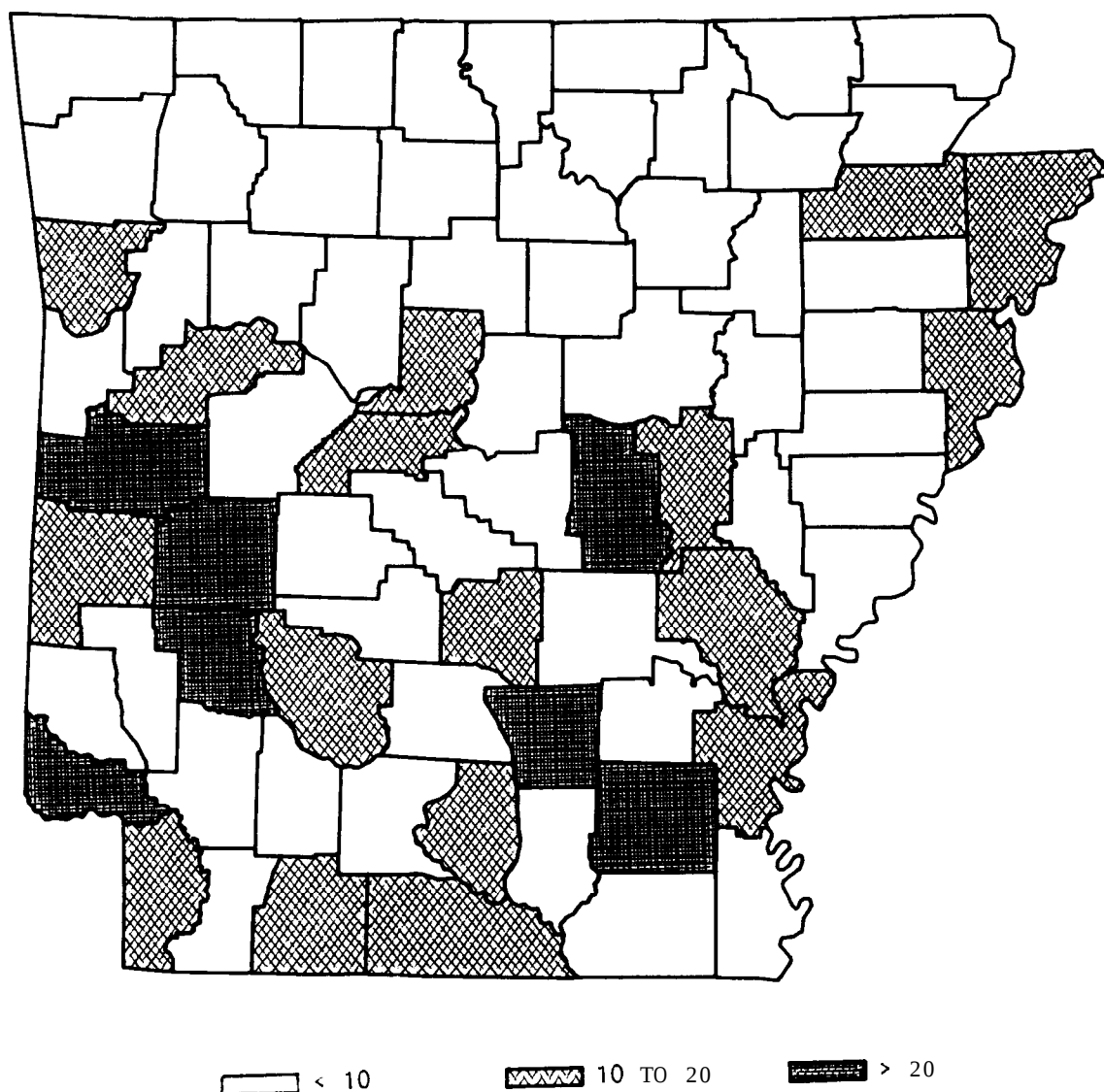


Figure 21.-Average softwood volume of rough and rotten trees on timberland by county, in cubic feet per acre, Arkansas, 1988.

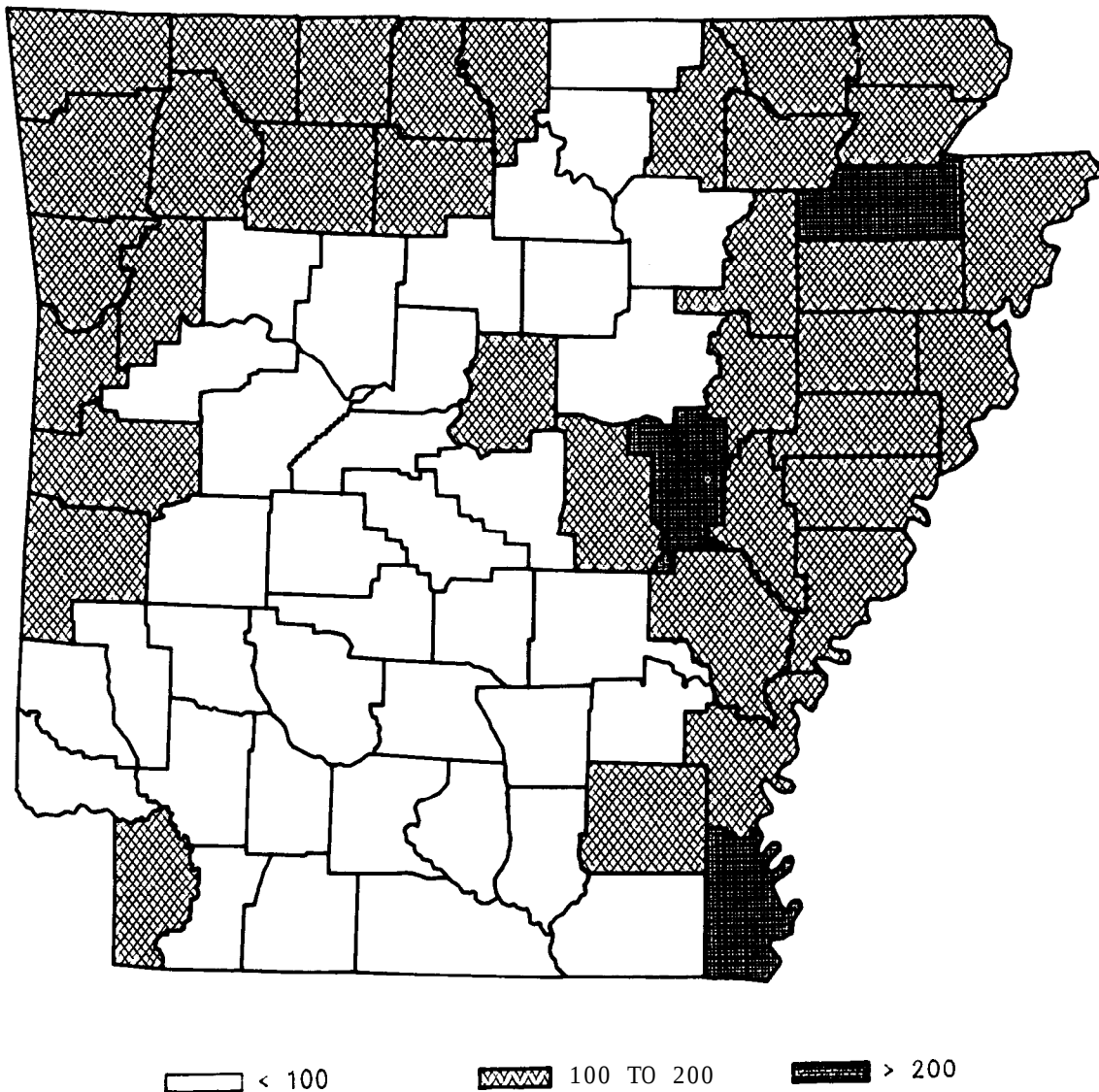


Figure 22.-Average hardwood volume of rough and rotten trees on timberland by county, in cubic feet per acre, Arkansas, 1988.

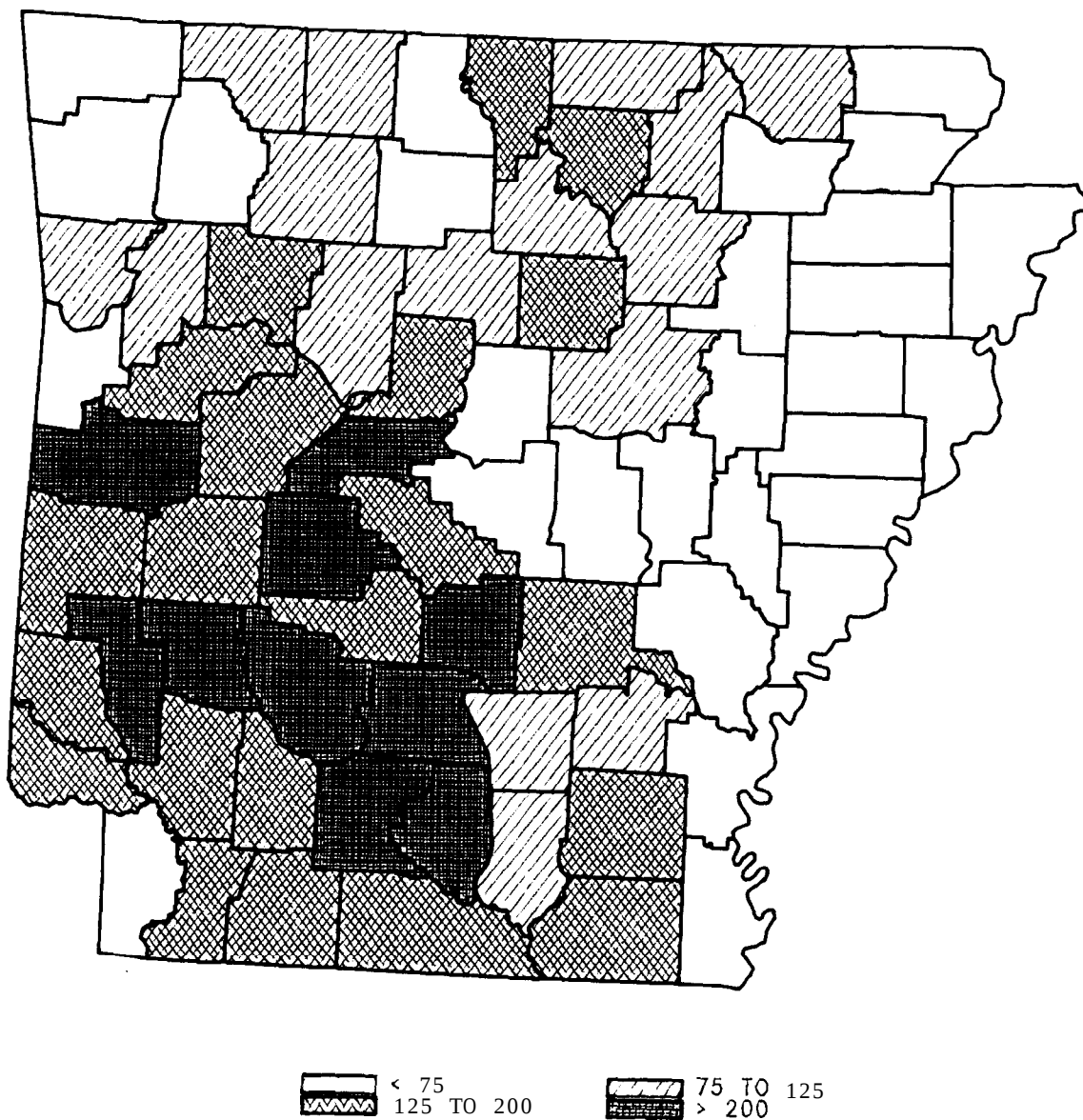


Figure 23.-Average number of live softwood trees per acre on timberland by county, Arkansas, 1988.

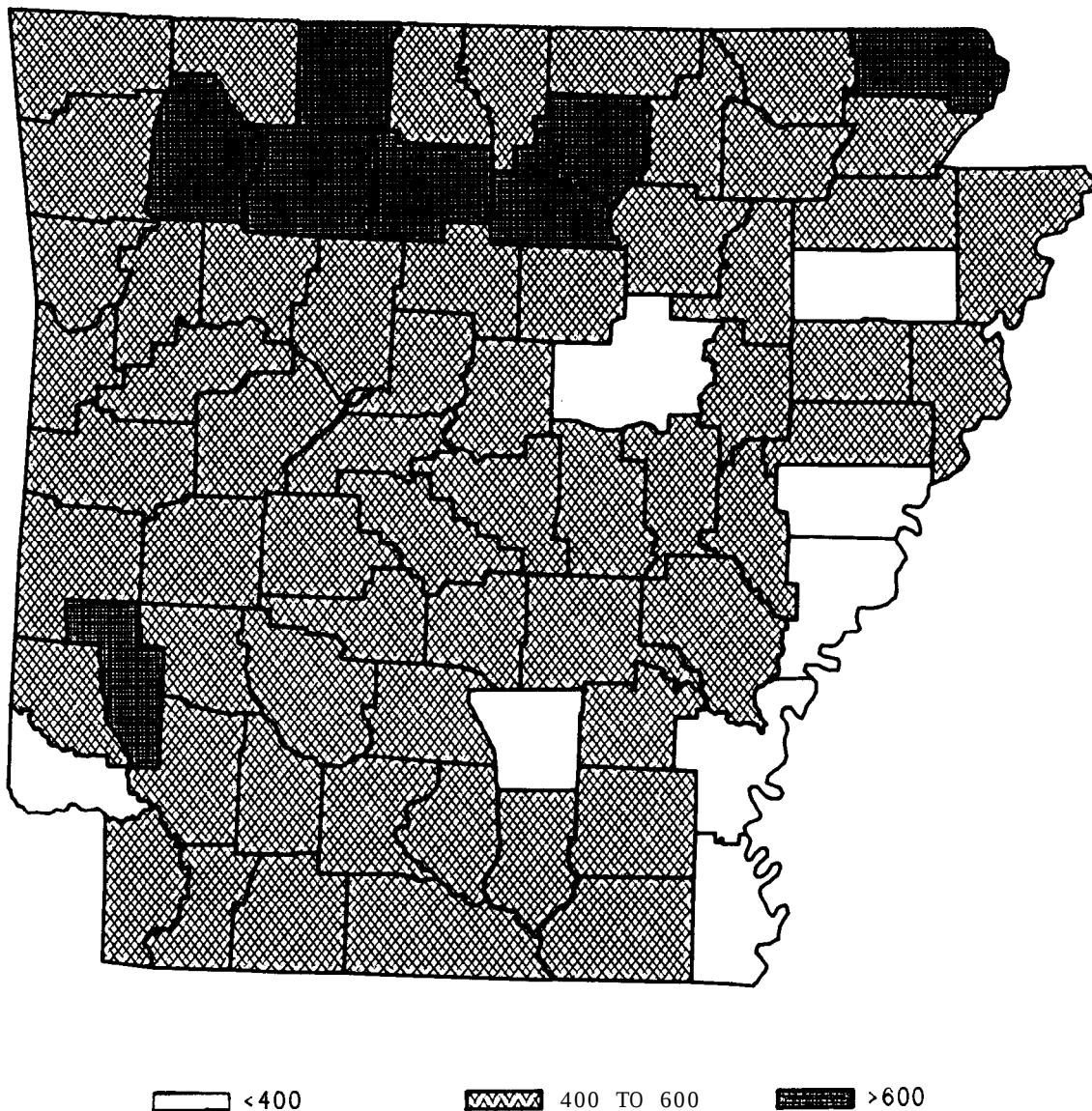


Figure 24.-Average number of live hardwood trees per acre on timber land by county, Arkansas, 1988.

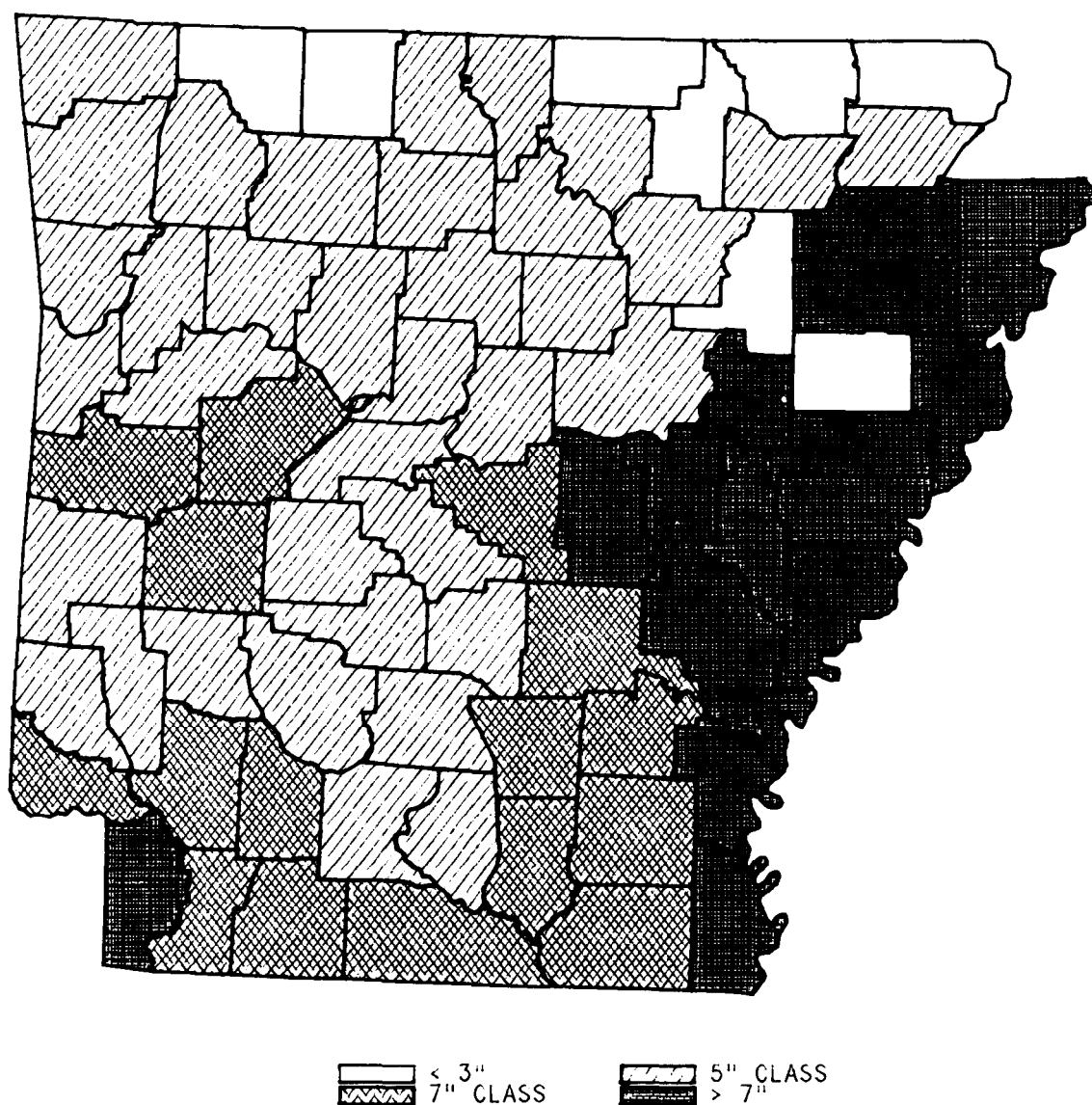


Figure 25.—Average softwood DBH by county, quadratic mean diameter in inches, two inch diameter classes, Arkansas, 1988.

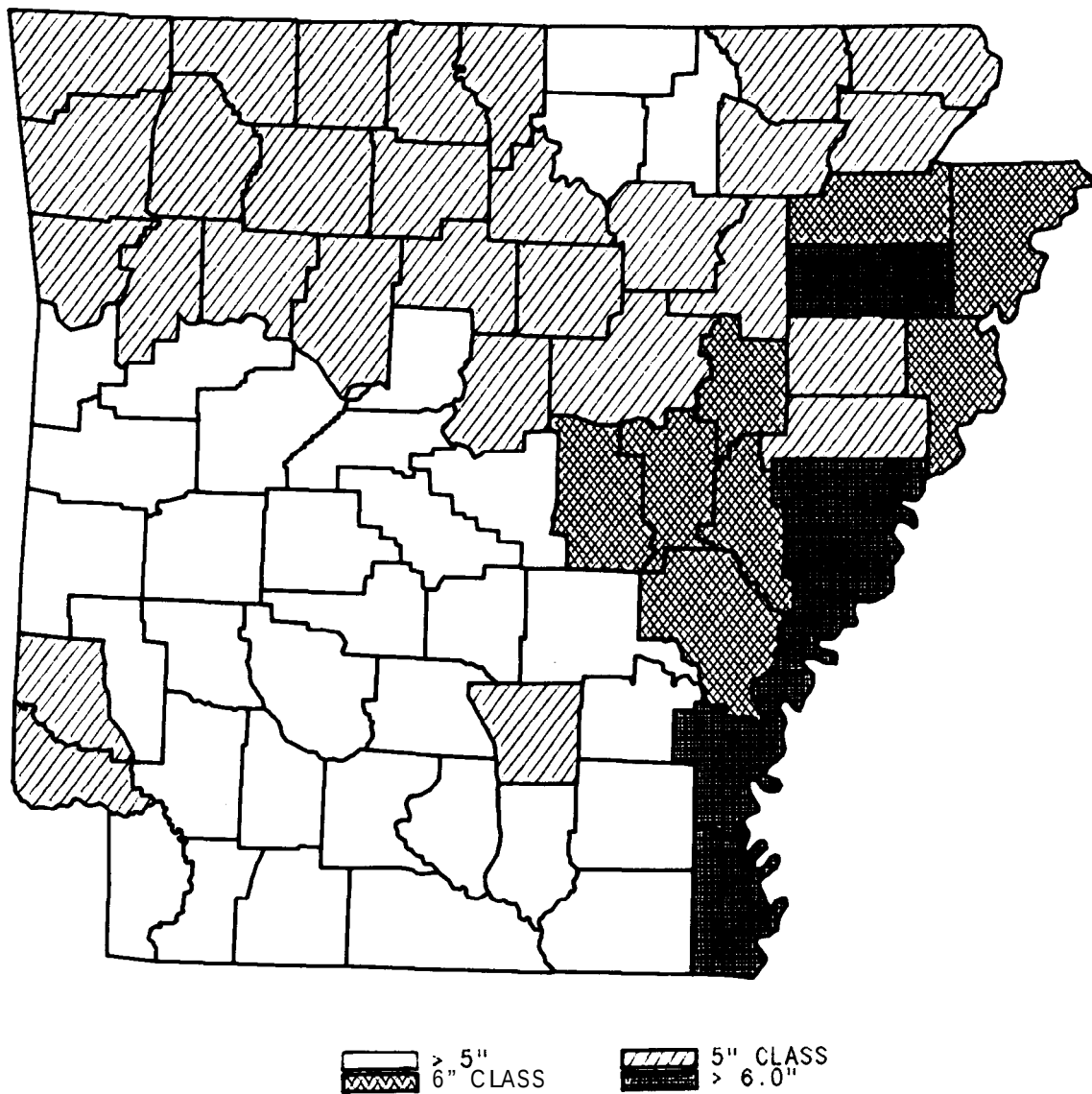


Figure 26.—Average hardwood DBH by county, quadratic mean diameter in inches, one inch diameter classes, Arkansas, 1988.

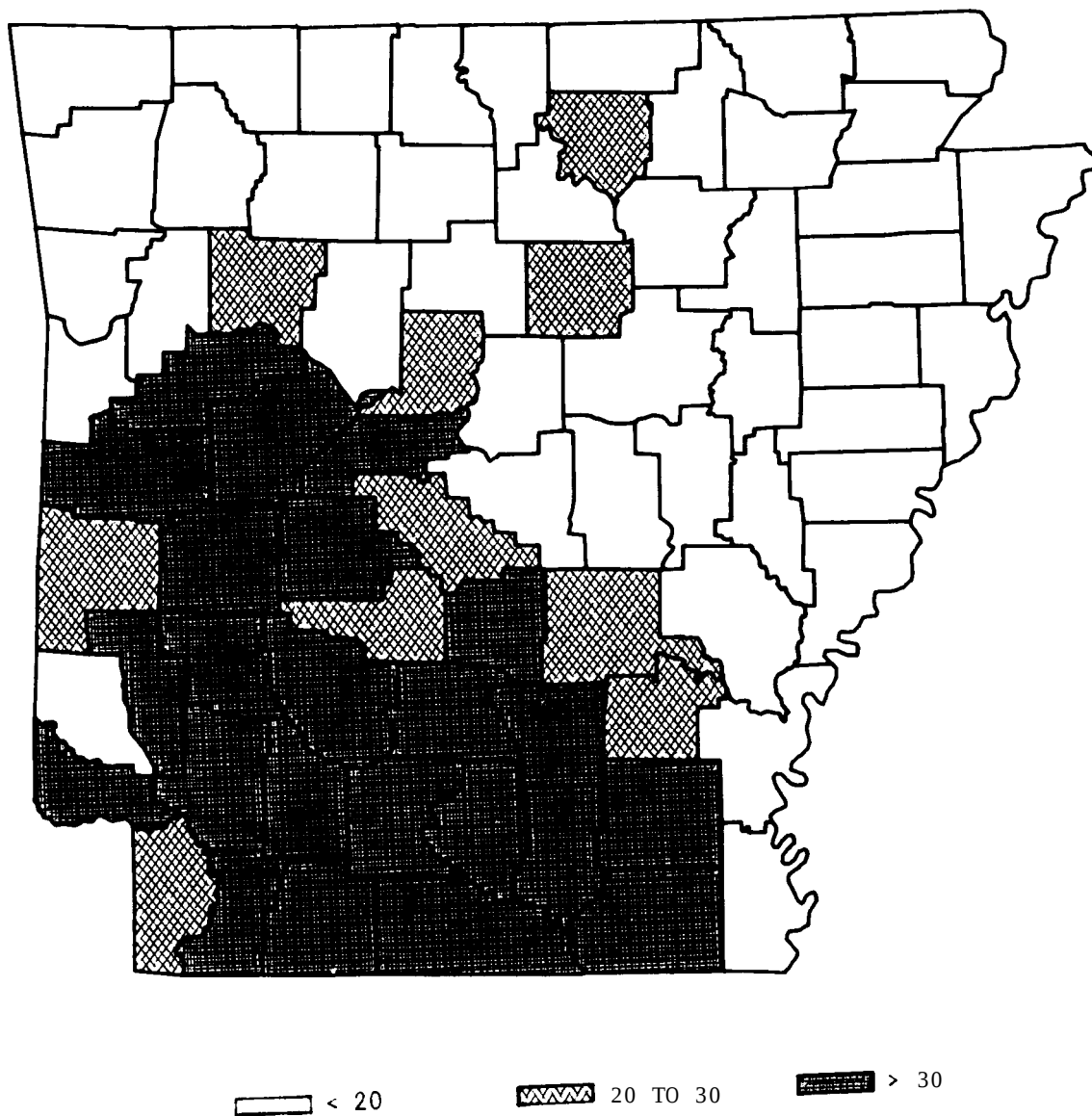


Figure 27.-Average softwood basal area per acre on timber land by county, in square feet, Arkansas, 1988.

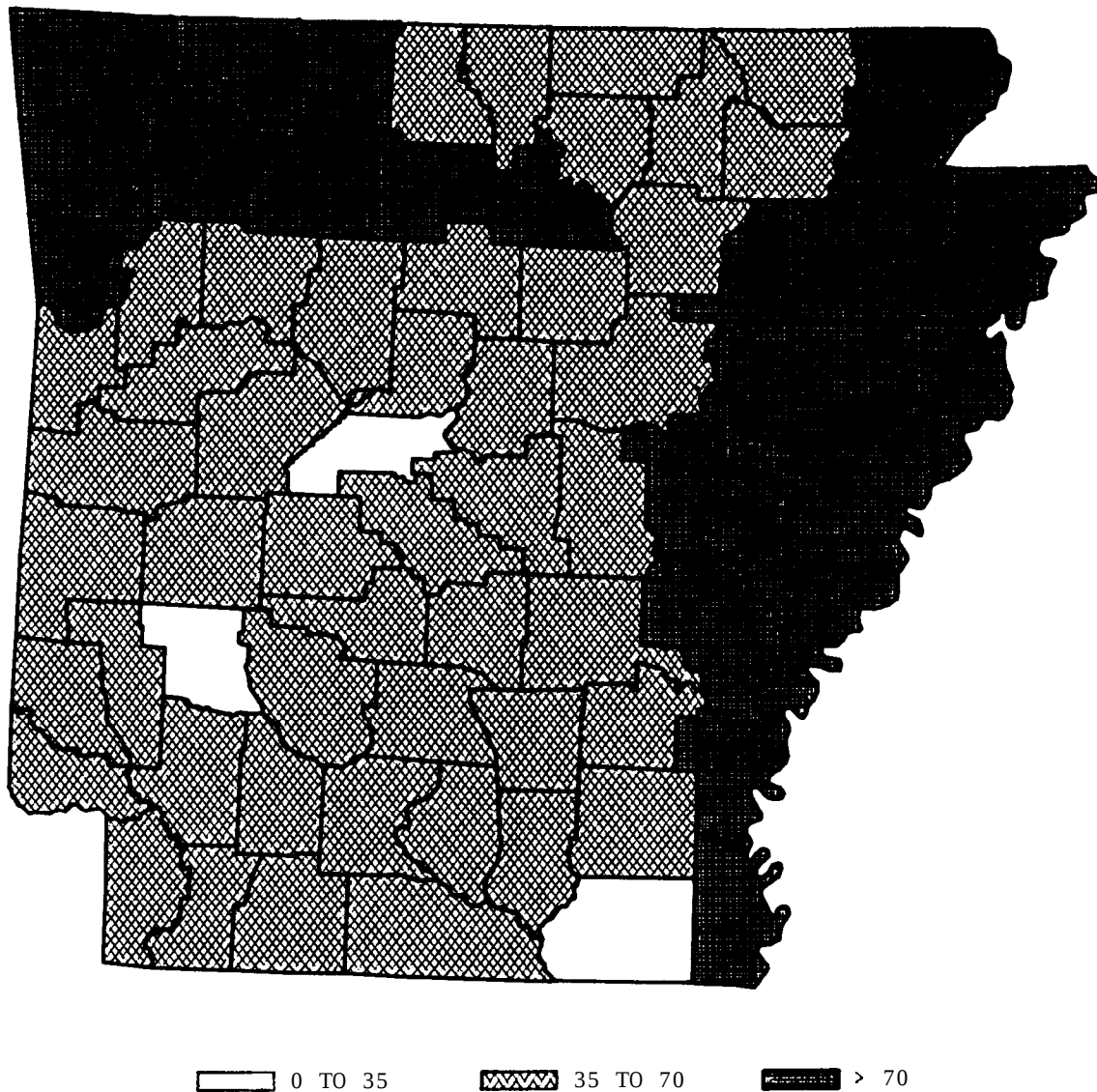


Figure 28.—Average hardwood basal area per acre on timber land by county, in square feet, Arkansas, 1988.

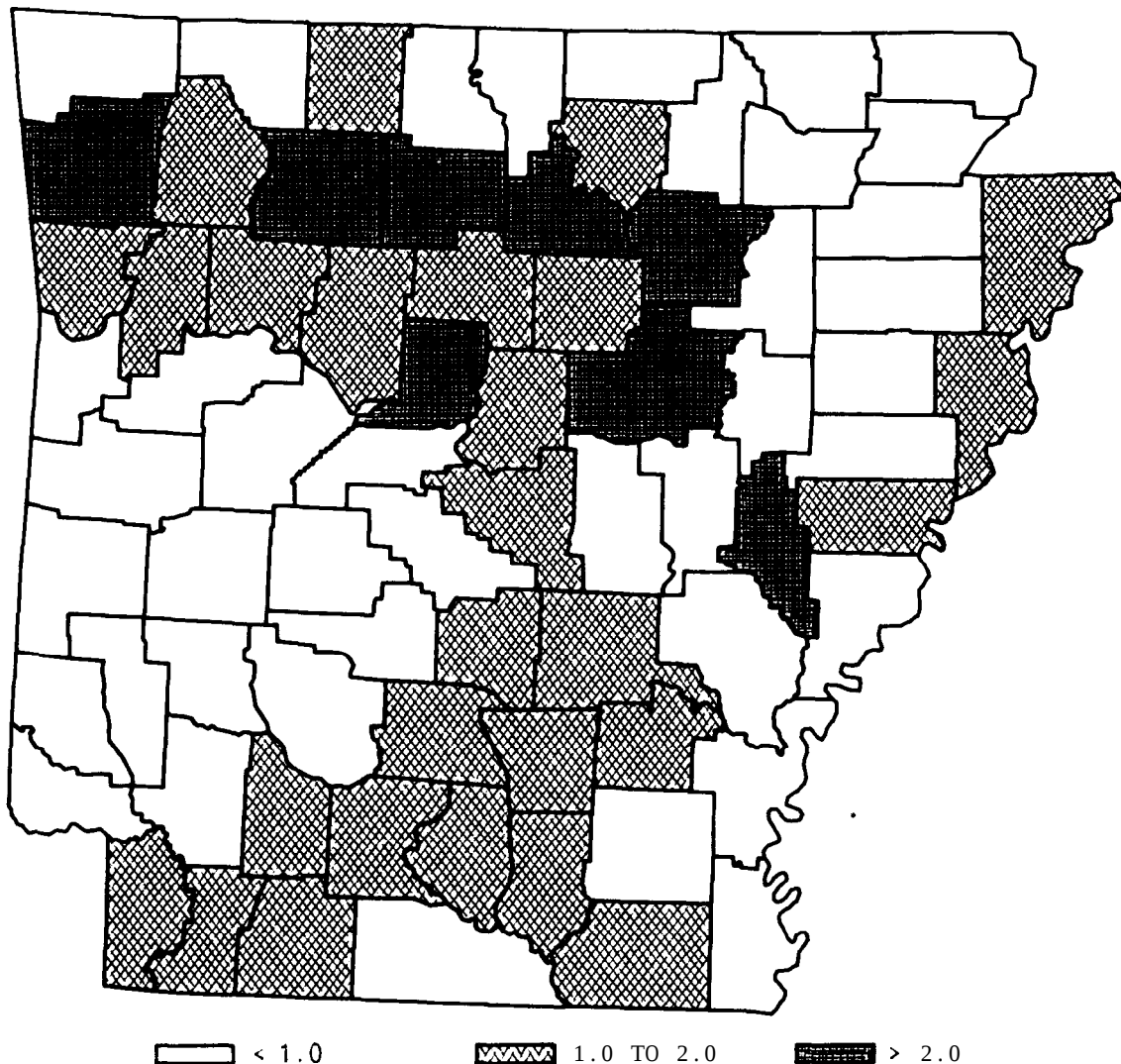


Figure 29.-Ratio of average net annual growth to average net annual removals of growing stock for softwoods by county, Arkansas, 1980. A value greater than 1.0 indicates more growth than removals; a value less than 1.0 indicates more removals than growth.

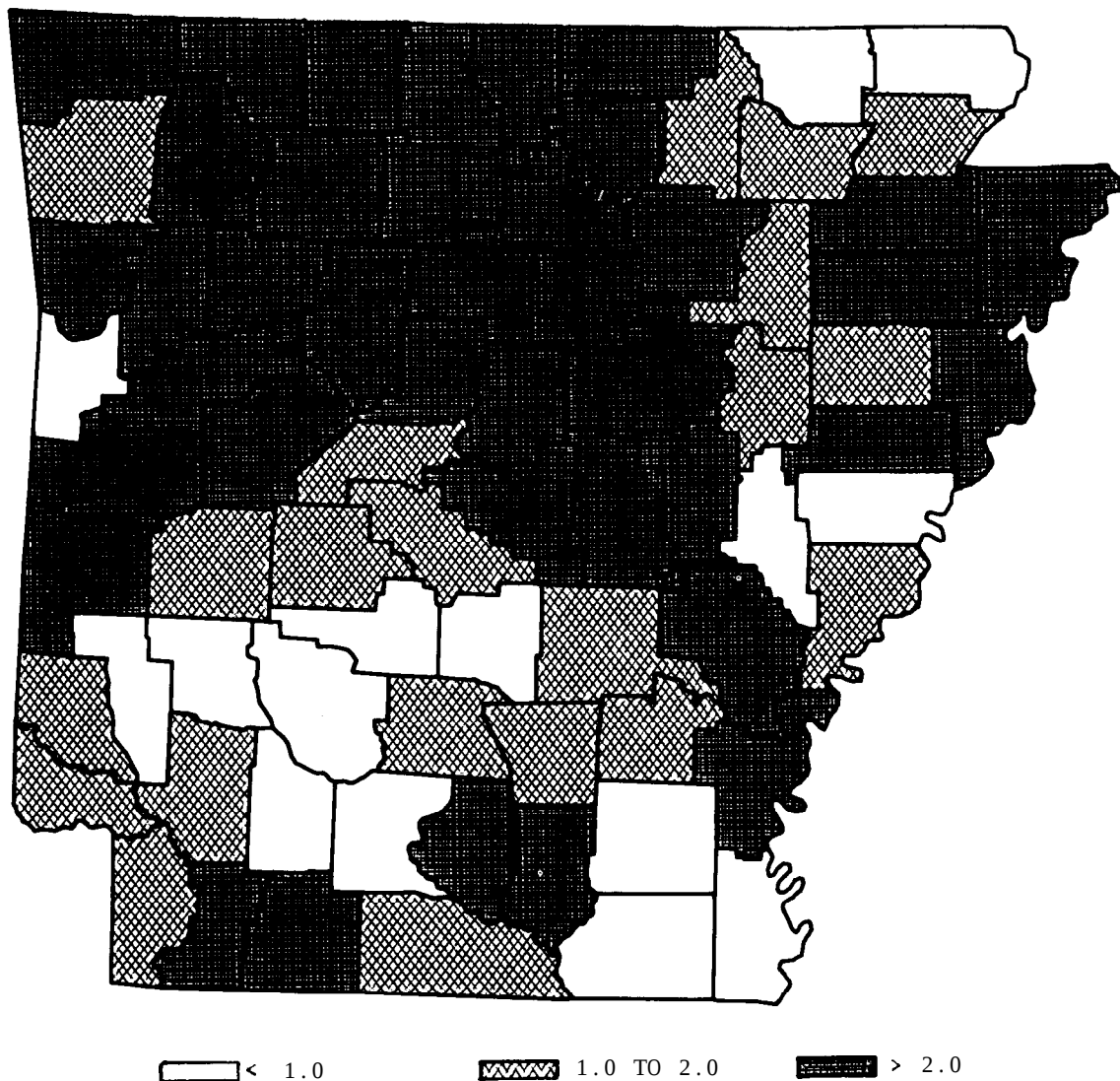


Figure 30.—*Ratio of average net annual growth to average net annual removal of growing stock for hardwoods by county, Arkansas, 1988. A value greater than 1.0 indicates more growth than removal; a value less than 1.0 indicates more removal than growth.*

Hines, F. Dee; Vissage, John S. Forest Statistics for Arkansas Counties — 1988. Resource Bull. SO- 1 4 1. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station; 1988. 68 p.

Tabulates forest resource information from a new inventory of Arkansas counties.

Additional Keywords: Area, volume, forest type, stand size, ownership.

